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AMERICAN NURSERYMAN

The Nurseryman's Forte: To Make America More Beautiful and Fruitful

APRIL 1, 1944



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Barberry, Thunbergi, transplants			1000 2 to 3 ft.	25.00					
4000 2½ to 3 ft.	18.00		1000 18 to 24 ins.	20.00					
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4000 15 to 18 ins.	10.00		1000 2 to 3 ft.	16.00					
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1000 3 to 4 ft.	20.00		Ribes Alpinum						
1000 2 to 3 ft.	16.00		500 2 to 2½ ft.	25.00					
Cornus Paniculata			1500 18 to 24 ins.	20.00					
500 3 to 4 ft.	22.00		500 15 to 18 ins.	18.00					
1000 2 to 3 ft.	18.00		Spiraea Anthony Waterer						
600 18 to 24 ins.	16.00		1000 2 to 2½ ft.	22.00					
Cotoneaster Acutifolia			1500 18 to 24 ins.	18.00					
1000 3 to 4 ft.	20.00		Spiraea Callosa Alba						
500 2 to 3 ft.	16.00		800 15 to 18 ins.	22.00					
Cydonia Japonica			800 12 to 15 ins.	18.00					
1000 3 to 4 ft.	30.00		Symporicarpos Vulgaris						
2000 2 to 3 ft.	25.00		2500 2 to 3 ft.	12.00					
500 18 to 24 ins.	20.00		2000 18 to 24 ins.	8.00					
Euonymus Alatus			Tamarix Hispida						
200 2½ to 3 ft. Heavy	60.00		300 3 to 4 ft.	20.00					
200 2 to 3 ft.	50.00		500 2 to 3 ft.	16.00					
Euonymus Alatus Compacta			300 18 to 24 ins.	12.00					
200 2 to 3 ft.	75.00		Viburnum Americanum						
			200 2 to 3 ft.	30.00					
			500 18 to 24 ins.	25.00					

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AMERICAN NURSERYMAN

[Registered U. S. Patent Office]

The Nurseryman's Forte: To Make America More Beautiful and Fruitful

VOL. LXXIX, No. 7

APRIL 1, 1944

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AMERICAN NURSERYMAN

F. R. KILNER, Editor

Editorial

THE BREACH TO FILL.

The pictures of postwar plans presented in articles and editorial comments in these columns lately are not too wide in scope to interest the individual nurseryman. No matter how small his operations, he has felt the wartime shortage of manpower. It has hindered his planting, prevented proper care of his stock and obliged him to decline orders from good customers.

Because of that fact, nurserymen and landscape contractors will be faced with as much business as they can handle as soon as help is available. Provided there are trees and shrubs in quantity for sale at the war's end, nurserymen will be able to give immediate employment to many returned servicemen and released war industry workers.

There is no problem of reconversion for nurserymen—except for the land that has been put into vegetable and other food crops. This industry can step into the breach in that period immediately following the cessation of hostilities, when factories now engaged in producing munitions must release thousands of workers while their equipment is changed over to production of civilian goods.

Nurserymen have a further interest in planning for the immediate postwar period. Generally they are individualists who want to see continued for their children the American opportunity for free enterprise. They believe that private industry can meet our coming problems, and that boondoggling and WPA projects are not needed. They will be given an opportunity to prove that point by stepping into the breach in timely fashion.

For another reason nurserymen can lend an effective hand in the postwar era. They have not seen the wartime prosperity that has inflated some industrial enterprises, but have their feet on the ground and their business enterprises under control. They will see peacetime conditions clearly and will be able to operate soundly and efficiently.

What has happened to the business vision and financial attitude of many firms whose profits have been inflated by the war era is illustrated by a story which has been going the rounds. Three salesmen for war plants were eating dinner in a Wash-

The Mirror of the Trade

ington hotel. The bill was \$30. All reached for the check. The first man said his firm was in the fifty per cent bracket and that the bill actually would cost them only \$15. The second man said his firm was in the eighty per cent bracket, which would reduce the cost of the meal to \$6. The third man said: "I'll pay the check. My firm is working on a cost-plus basis and we'll make \$3 on the meal."

For the sake of truth, it might be mentioned that there is no cost-plus basis in this war and the third salesman's firm could not make \$3 on the meal. But on the current cost-plus-fee basis, the entire price of the meal could have been passed on to the government.

The point illustrated is that such thinking breeds extravagance in operations and careless and costly management. Most older businessmen remember the difficult task it was to cut down the heavy overhead and operating costs of the golden days of the 1920's when the depression of the early 1930's made such steps necessary to avoid bankruptcy. Will the war industries of the present day find it any easier to return to the everyday economy of peacetime?

While they recover themselves, those civilian industries which have been subsisting on lean fare during the war and which have needed the keenest management to survive the war era should be ready to meet the postwar emergency of re-employment. Nurserymen are among those who will fill the breach.

GUIDE TO POSTWAR SALES.

The second book of the National Association of Manufacturers, entitled "Guide to Postwar Sales Planning," acknowledges at the outset that no short study of postwar sales planning can hope to give detailed directions on meeting all problems. However, certain points are raised to give a sense of direction to the inquiry and research that each company will need in creating a workable and effective postwar sales program.

Five questions are asked: Will the firm need additional sales personnel to supplement those who have stayed in the organization and those who will return after the war? Has the firm established standards which must be met by new recruits to the sales force? Have plans been made for recruiting the additional person-

nel required? Will the firm's compensation plan attract and hold the type of sales personnel sought? Should the war stop tomorrow, is the sales organization ready to operate with top efficiency? Many firms will have to rebuild sales organizations from scratch. This will involve training. Is a training program ready for implementation?

During the war there have been major shifts of population. These must be taken into consideration both locally and nationally. Buying habits may have changed. Surveys may be in order to determine any changed customer preferences.

The guidebook declares that these questions and many others must be answered for and by each businessman who plans a running postwar start. By general agreement the time to begin getting facts down on paper is now.

MEMORIAL TREES.

One man's start on the idea of war memorial plantings is related in the March issue of *Outdoor Indiana*, a publication issued by the department of agriculture and conservation of the state. It reports:

We have heard many ideas advanced for memorializing American fighting men who have lost their lives in this war, but a plan suggested by Private Robert E. McDonald, of Logansport, who is now stationed with the United States forces in Great Britain, is by far, we believe, the most outstanding.

Private McDonald was a tree surgeon before he entered the army, and his father, Robert R. McDonald, who lives in Logansport, is a member of the same profession.

In a letter to his father, Private McDonald wrote, "If soldiers can't live and grow, trees planted in their memory could." He went on to describe an organization called "The Men of the Trees," which advocates planting of forests in Britain to commemorate the war dead. The organization plans to beautify Britain with millions of trees and create a postwar forest industry to provide work for thousands of war veterans.

The elder McDonald has started organizing such a program in his home city, and as a start, he advocates planting one tree for each Cass county man killed in the war. Mr. McDonald will donate the necessary plants and additional plants needed until the end of the war, after which he personally will spray and tend the young trees with, he hopes, the help of his returned son.

Mr. McDonald is interesting others in his son's idea, and he hopes that a committee can be organized to acquire land for a park which will have live, growing trees to keep forever green the memory of the Cass county boys who died for their country.

Plants in Probable Postwar Demand

While prediction as to the number of housing units which will be built per year in the decade following the close of the present war vary widely, they are all in high figures—from several hundred thousand to one million each year. Even limited landscaping of a considerable portion of those homes will create a tremendous demand for trees, shrubs and other plants. Nurserymen who study the retail demand in their market areas may already have well formed ideas as to the materials which should be propagated to meet the anticipated postwar demand. Others may be searching for some guide in formulating their propagating lists.

How much the government will participate in the housing program after the war is still an unknown factor. Under the National Housing Agency are functioning two organizations in this field. The Federal Housing Administration supervises loans made by banks and other private agencies for residential building, which at the present time is limited to defense housing projects because of restrictions by the War Production Board on the use of essential materials for private construction.

The Federal Public Housing Authority, on the other hand, supervises large housing projects, such as were instituted under WPA and under local housing authorities, including slum clearance projects and multiple housing undertakings of that type. Not only at its Washington office, but at its regional headquarters, the Federal Public Housing Authority has a landscape architect to pass on the planting and plant materials on such projects, just as architects and engineers pass on the construction phases of such programs. Such landscape architects have become acquainted with the materials used on construction projects in their respective areas in the past, and they have noted the success or failure of the plants used. As will be noted by the map on this page, and by the states listed in the respective regions, a wide territory is included in the region served by each office. Hence certain plants may not be useful in all parts of the region.

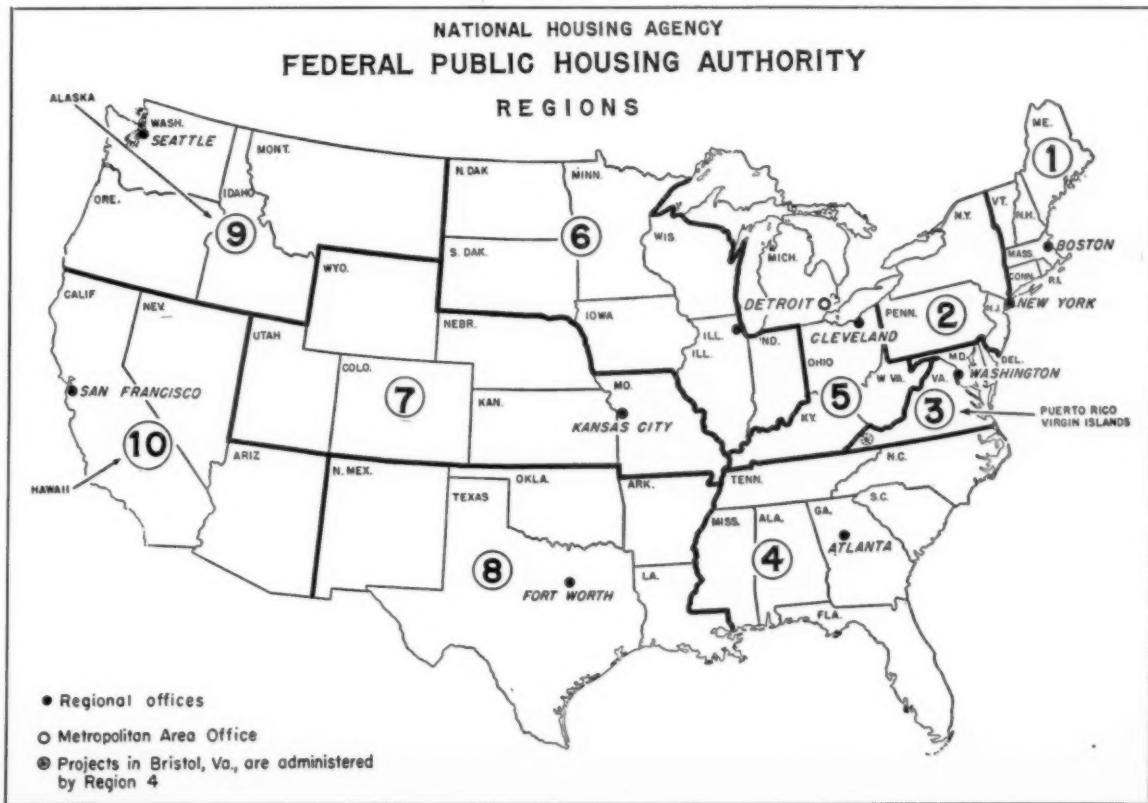
On the following pages are presented lists of plant materials prepared by the landscape architects in the regional offices of the Federal Public Housing Authority, to indi-

cate the items which would most likely be in demand on the projects supervised by this agency in the post-war era. The headquarters office of the American Association of Nurserymen, at Washington, D. C., has made these lists available to the entire trade through the columns of the *American Nurseryman*. Accompanying these lists, Executive Secretary Richard P. White utters a word of caution in the following explanatory statement:

"As an additional guide to the possible postwar demand for nursery stock on public building developments, information was requested from the Federal Public Housing Authority as to the varieties of nursery stock for which it was most likely to be in the market. The following lists of plant material were prepared by the regional offices of the FPHA. All regions are represented except region 9 (Washington, Oregon, Idaho and Montana).

"The lists are not complete. They represent only those items which, in the judgment of the regional office, may be needed in quantity. The lists are based upon past experience.

"A note of warning in regard to the use of these lists seems war-



ranted. No one can now predict the extent of postwar public housing, as it is dependent upon congressional action. No one can now predict that, even if postwar public housing is an important factor in the housing field, funds will be available for landscaping as in prewar days. No one can now be assured that items now on these lists will not be discarded later. In other

words, these lists represent only the present best judgment of regional offices of the FPHA as to what items they are most likely to need in quantity after the war, provided this agency assumes an important place in postwar housing development.

"Any propagation made on the basis of these lists must, therefore, be made with full cognizance of the

risks involved. The lists may serve as a helpful guide toward a balanced production program for those concerns interested in this possible postwar market. At least, they should be better than no lists at all, as they do represent the considered judgment, based on experience, of men familiar with the landscaping of public building projects in the recent past."

LISTS OF PLANT MATERIALS FOR POSTWAR HOUSING

REGION I

Massachusetts, Maine, Connecticut, Vermont, Rhode Island, New Hampshire

Trees

Acer saccharum and *rubrum*
Ailanthus glandulosa
Gleditsia triacanthos inermis
Platanus orientalis
Quercus palustris and *rubra*
Tilia vulgaris and *cordata*
Ulmus americana

Shrubs

Acanthopanax pentaphyllum
Berberis thunbergii
Cornus in variety
Forsythia in variety
Ligustrum in variety
Lonicera in variety
Philadelphus in variety
Spiraea in variety
Viburnum in variety

Vines

Ampelopsis tricuspidata
Lonicera japonica *halliana*
Lycium chinense
Small trees
Cornus florida
Crataegus in variety
Malus in variety

REGION II

New York, New Jersey, Pennsylvania

Trees

Acer platanoides
Acer saccharum
Ailanthus glandulosa
Gleditsia triacanthos inermis
Liquidambar styraciflua
Platanus orientalis
Quercus borealis
Quercus palustris
Robinia pseudoacacia
Tilia europaea

Small trees

Crataegus crusgallii

Shrubs

Acanthopanax pentaphyllum
Cornus racemosa
Forsythia intermedia
Ligustrum ibota
Ligustrum regelianum
Lonicera fragrantissima
Photinia *villosa*
Philadelphus *virginicus*
Rosa *virginiana*
Stephanandra *incisa*
Viburnum *prunifolium*
Weigela

Bank planting for erosion prevention

Lonicera japonica *halliana*
Lycium halimifolium
Rosa multiflora

Vines for masonry walls

Parthenocissus tricuspidata

veitchii

REGION III

Norfolk Area

Shade trees

Acer platanoides
Acer rubrum
Fraxinus americana
Gleditsia triacanthos
Liquidambar styraciflua
Magnolia glauca
Melia azedarach
Nyssa aquatica
Quercus coccinea
Quercus phellos
Salix pentandra
Styrax japonica
Tilia cordata
Ulmus pumila

Flowering trees

Albizia julibrissin
Cornus florida
Malus floribunda
Syringa japonica
Vitex agnuscastus

Hedge plants

Ilex cassine *angustifolia*
Jasminum nudiflorum
Ligustrum ibota
Ligustrum ovalifolium
Ligustrum sinense
Myrica carolinensis

Shrubs

Berberis julianae
Cotoneaster *divaricata*
Euonymus *patens*
Forsythia intermedia *spectabilis*
Jasminum floridum
Jasminum nudiflorum
Ligustrum ibota *regelianum*
Ligustrum lucidum
Lagerstroemia *indica*
Lonicera *nitida*
Myrica carolinensis
Pyracantha *coccinea*
Symporicarpos *chenaultii*
Viburnum *rufidulum*
Weigela *rosea*

Ground covers

Hedera helix
Lonicera *japonica* *halliana*
Lycium *chinense*
Pueraria *thunbergiana*
Symporicarpos *vulgaris*

REGION III

Washington, D. C. and Baltimore, Md.

Trees

Acer platanoides
Acer rubrum
Cornus florida
Crataegus cordata
Crataegus crusgallii
Fraxinus lanceolata
Gleditsia triacanthos
Magnolia glauca
Malus floribunda
Nyssa sylvatica
Platanus orientalis
Quercus phellos
Quercus rubra
Salix pentandra
Sophora japonica
Syringa japonica
Tilia cordata
Ulmus americana *molini*
Ulmus pumila

Hedge plants

Berberis thunbergii
Ligustrum ibota
Ligustrum ovalifolium
Ligustrum sinense
Rhamnus frangula

Vines

Ampelopsis tricuspidata
Celastrus orbiculata
Clematis paniculata
Hybrid climbing roses (on own roots)

Ground covers

Hedera helix
Lonicera *japonica* *halliana*
Lycium *chinense*
Pueraria *thunbergiana*
Symporicarpos *vulgaris*

Shrubs

Acanthopanax pentaphylla
Berberis julianae
Berberis thunbergii
Forsythia intermedia *spectabilis*
Hydrangea *quercifolium*
Ligustrum ibota *regelianum*
Myrica carolinensis
Philadelphus Avalanche
Philadelphus *virginicus*
Pyracantha *coccinea*
Spiraea *prunifolia*
Spiraea *salicifolia*
Stephanandra *flexuosa*
Stranvaesia *davidiana*
Symporicarpos *chenaultii*
Syringa *japonica*
Viburnum *prunifolium*
Vitex *agnuscastus*
Weigela *rosea*

REGION III

Western Virginia, Western Maryland and Wilmington Area

Trees

Acer platanoides
Acer rubrum
Ailanthus glandulosa (pistillate form)
Cornus florida
Crataegus cordata
Crataegus crusgallii
Fraxinus lanceolata
Gleditsia triacanthos
Magnolia glauca
Malus spectabilis
Platanus orientalis
Quercus palustris
Robinia pseudoacacia (not collected)
Salix pentandra
Sophora japonica
Tilia cordata
Ulmus americana *molini*
Ulmus pumila

Hedge plants

Berberis thunbergii
Ligustrum ibota
Ligustrum ovalifolium
Rhamnus frangula

Vines

Ampelopsis tricuspidata
Celastrus orbiculata
Clematis paniculata
Hybrid climbing roses (on own roots)

Ground covers

Lonicera *japonica* *halliana*
Lycium *chinense*

Pueraria *thunbergiana*

Symporicarpos *vulgaris*

Shrubs

Acanthopanax pentaphylla
Berberis julianae
Berberis thunbergii
Forsythia intermedia *spectabilis*
Hydrangea *quercifolium*
Ligustrum ibota *regelianum*
Myrica carolinensis
Philadelphus Avalanche
Philadelphus *virginicus*
Pyracantha *coccinea*
Rosa rugosa *alba*
Spiraea *prunifolia*
Spiraea *thunbergii*
Stephanandra *flexuosa*
Stranvaesia *davidiana*
Symporicarpos *chenaultii*
Syringa *japonica*
Viburnum *prunifolium*
Vitex *agnuscastus*
Weigela *rosea*

Vines

Ampelopsis tricuspidata
Celastrus orbiculata
Clematis paniculata
Hybrid climbing roses (on own roots)

REGION IV

Alabama, Georgia, Mississippi, North Carolina, South Carolina, Tennessee

Trees

Albizia julibrissin
Magnolia grandiflora
Melia azedarach
Platanus orientalis
Quercus laurifolia (var. Darlington)
Quercus nigra
Quercus phellos
Quercus virginiana
Ulmus pumila

Vines

Ampelopsis tricuspidata lowi
Bignonia chamberlaini
Bignonia speciosa
Bignonia venusta
Ficus repens
Lonicera heckrottii
Lonicera japonica halliana
Lonicera sempervirens

Shrubs

Baccharis halimifolia
Berberis mentorensis
Berberis sargentiana
Cinnamomum camphora
Cotoneaster franchetii
Cotoneaster pannosa
Feijoa sellowiana
Hydrangea hortensis
Ilex burfordi
Ilex crenata rotundifolia
Ilex cornuta
Ilex opaca (named varieties)
Ilex vomitoria
Illicium anisatum
Jasminum floridum
Jasminum humile
Magnolia fuscata
Myrica cerifera
Photinia glabra
Photinia serrulata
Pyracantha formosana
Pyracantha gibbsii
Raphiolepis indica
Viburnum carlesii
Viburnum odoratissimum
Viburnum macrophyllum
Viburnum suspensum
Viburnum tinus

REGION IV

Florida

Trees

Bauhinia purpurea
Ficus altissima
Ficus benjamina
Ficus exotica
Ficus pandurata
Ficus religiosa
Cocos nucifera
Cocos plumosa
Grevillea robusta
Melaleuca leucadendron
Poinciana regia
Sabal palmetto
Swietenia mahagoni

Vines

Bougainvillea Crimson Lake
Ficus repens
Thunbergia erecta
Trachelospermum jasminoides

Shrubs

Acacia auriculaformis
Ardisia paniculata
Baccharis halimifolia
Chalca paniculata
Chrysophyllum oliviforme
Clerodendron fallax
Clerodendron thomsoniae
Cleyera ochracea
Collestemon coccineus
Duranta plumieri
Eugenia jambos
Eugenia uniflora
Hibiscus sinensis
Ixora coccinea
Jasminum illicifolium
Jasminum sambac
Lawsonia inermis
Malvaviscus arboreus
Parkinsonia aculeata
Plumbago capensis
Plumeria frangipani
Pisonia cattleianum
Sansevieria zeylanica
Schinus terebinthifolia
Tecoma stans

REGION V

Ohio, Kentucky, West Virginia

Trees

Gleditsia triacanthos inermis
Platanus occidentalis
Populus bolliana
Populus nigra italica
Populus simoni
Quercus palustris
Quercus rubra
Robinia pseudoacacia
Ulmus americana
Ulmus americana molini

Shrubs

Abelia grandiflora
Acanthopanax pentaphyllum
Acer ginnala
Berberis thunbergii
Cornus alba
Crataegus in variety
Cydonia japonica
Forsythia intermedia spectabilis
Forsythia suspensa
Ligustrum amurense
Ligustrum ibolium
Ligustrum ibota regelianum
Lonicera in variety
Lycium chinense
Philadelphus coronarius
Prunus tomentosa
Pyracantha coccinea lalandii
Rhamnus frangula
Rosa rubiginosa
Rosa setigera
Rosa wichuraiana
Viburnum dentatum
Viburnum tomentosum plicatum

Hedges

Acanthopanax pentaphyllum
Berberis thunbergii
Ligustrum amurense
Ligustrum ibota regelianum
(from cuttings)
Lonicera tatarica rosea
Physocarpus monogynus
Rhamnus cathartica
Syringa chinense or
Syringa persica

Vines

Ampelopsis tricuspidata
Celastrus scandens
Clematis paniculata
Climbing roses (disease-free type)
Lonicera japonica halliana
Vinca minor

REGION VI

North Dakota, South Dakota, Minnesota, Iowa, Wisconsin, Illinois, Indiana

Trees

Acer rubrum
Acer saccharum
Cornus mas
Crataegus cordata
Crataegus crusgalli
Fraxinus americana
Ginkgo biloba
Gleditsia triacanthos inermis
Malus floribunda
Platanus occidentalis
Populus simoni
Quercus palustris
Quercus rubra
Syringa japonica
Ulmus americana
Ulmus americana molini

Shrubs

Aronia arbutifolia
Benzoin aestivale
Berberis thunbergii
Caragana arborescens
Euonymus alatus
Euonymus alatus compactus
Euonymus patens
Forsythia intermedia spectabilis
Hamamelis virginiana
Hibiscus syriacus
Ligustrum amurense
Ligustrum ibota regelianum
(from cuttings)
Lonicera fragrantissima
Philadelphus coronarius nanus
Rhamnus cathartica
Rhamnus frangula
Rhus canadensis
Ribes alpinum
Spiraea vanhouttei
Symporicarpus chenaultii
Syringa chinensis
Syringa josikaea
Syringa persica
Syringa villosa
Viburnum dentatum
Viburnum lantana
Viburnum tomentosum plicatum

Bank protection plants
(Other than above)

Forsythia suspensa
Lycium chinense
Rhus canadensis
Rosa setigera
Rosa wichuraiana
Symporicarpus racemosus
Symporicarpus vulgaris
Zanthoriza apifolia

REGION VII

Wyoming, Utah, Colorado, Nebraska, Kansas, Missouri

Trees

Acer platanoides
Acer rubrum
Acer saccharum
Celtis occidentalis
Fraxinus americana
Fraxinus lanceolata
Gleditsia triacanthos inermis
Liquidambar styraciflua
Quercus palustris
Quercus rubra
Tilia americana
Ulmus americana
Ulmus americana molini

Shrubs

Althaea in variety
Cornus in variety
Cydonia japonica
Euonymus in variety
Forsythia in variety
Hamamelis virginiana
Hibiscus syriacus
Ligustrum ibota regelianum
Lonicera in variety
Rhamnus in variety
Rhodotypos kerrioides
Rhus in variety
Rosa rugosa in variety
Spiraea in variety
Syringa in variety
Viburnum in variety
Weigela in variety

Small trees

Cercis canadensis
Cornus florida
Crataegus in variety
Elaeagnus angustifolia
Malus in variety

Vines

Ampelopsis tricuspidata
Clematis paniculata
Lonicera japonica halliana
Lycium chinense
Rosa wichuraiana
Vinca minor

Hedges

Berberis in variety
Ligustrum in variety
Ribes alpinum

See following page

for lists of

Region VIII

and

Region X.

REGION VIII

Plant Zones of Region VIII

(Numbers after plant names indicate zones for which plants are intended)

1. New Mexico and West Texas.
2. The Panhandles of Texas and Oklahoma.
3. Oklahoma and Arkansas.
4. Central and East Texas and Northern Louisiana.
5. South Texas and Southern Louisiana.

Trees

Celtis mississippiensis. 3, 4, 5.
Fraxinus americana. 1, 3.
Fraxinus arizonica. 1, 2.
Fraxinus pennsylvanica lanceolata. 4.
Fraxinus velutina. 5.
Liquidambar styraciflua. 3, 4.
Magnolia grandiflora. 4, 5.
Morus alba and *rubra*. 1, 2, 3.
Platanus occidentalis. 3, 4.
Populus bolleana. 1, 2, 3.
Populus occidentalis. 1, 2, 3.
Quercus virginiana (common type). 4.
Quercus virginiana (Spanish type). 5.
Ulmus americana. 3, 4.
Ulmus parvifolia. 2, 3.

Shrubs (evergreen)

Abelia grandiflora. 3, 4, 5.
Euonymus japonicus. 3, 4, 5.
Gardenia grandiflora. 4, 5.
Ilex vomitoria. 4, 5.
Jasminum floridum. 3, 4, 5.
Jasminum primuliflum. 4, 5.
Leucophyllum texanum. 1, 2, 3.
Ligustrum amurense. 2, 3, 4.
Ligustrum lucidum. 3, 4.
Ligustrum sinense. 3, 4, 5.
Nerium oleander. 5.
Photinia serrulata. 4, 5.
Pyracantha angustifolia. 3, 4, 5.
Pyracantha coccinea. 3, 4, 5.
Rhus semperfervens. 3, 4.

Shrubs (deciduous)

Buddleia davidi. 3, 4.
Cercis canadensis. 2, 3, 4.
Cornus florida. 3, 4.
Cydonia japonica. 2, 3, 4.
Deutzia wilsoni. 3, 4.
Forsythia fortunei. 3, 4.
Hibiscus syriacus. 2, 3, 4.
Ilex decidua. 3, 4.
Lagerstroemia indica. 3, 4.
Lonicera fragrantissima. 2, 3, 4.
Lonicera tatarica. 3, 4.
Philadelphus grandiflora. 2, 3.
Prunus pissardi. 2, 3, 4.
Rhus typhina. 2, 3, 4.
Spiraea prunifolia. 2, 3, 4.
Salix discolor. 3, 4.
Syringa vulgaris. 2, 3.
Tamarix juniperina. 1, 2, 3.
Weigela florida. 2, 3.

Vines

Ampelopsis quinquefolia. 2, 3, 4.
Ampelopsis tricuspidata. 2, 3, 4.
Antigonon leptopus. 3, 4, 5.
Bignonia magnifica. 3, 4.
Euonymus radicans. 3, 4.
Ficus pumila (repens). 5.
Gelsemium sempervirens. 4, 5.
Hedera helix. 2, 3, 4.

Lonicera japonica halliana. 2, 3, 4, 5.

Pueraria thunbergiana. 2, 3, 4.
Trachelospermum jasminoides. 4, 5.
Vinca major and *minor*. 2, 3, 4.
Wistaria sinensis. 3, 4, 5.

REGION X

Central Coastal California

Trees (evergreen)

Acacia in variety (broad-leaved species preferable)
Cinnamomum camphora
Eucalyptus in variety (excluding tender or dwarf species)
Ligustrum japonicum
Olea europaea
Pittosporum crassifolium
Pittosporum undulatum
Schinus molle

Trees (deciduous)

Acer negundo
Fraxinus velutina var. *modesta*
Platanus acerifolia
Populus nigra *italicia*
Prunus blireiana
Robinia pseudoacacia *decaisneana*
Ulmus parvifolia
Ulmus pumila

Hedge

Leptospermum laevigatum
Ligustrum ovalifolium

Vines

Bignonia cherere
Ficus pumila
Hedera helix
Lonicera japonica halliana

Ground covers

Ajuga reptans
Jasminum primuliflum
Lantana sellowiana
Plumbago capensis

Grasses (stolons)

(Used as lawn or ground cover)
Cynodon dactylon
Pennisetum clandestinum

Shrubs (evergreen)

(Some used as hedge)

Acacia armata
Acacia verticillata
Arbutus unedo
Berberis knightii
Choisya ternata
Coprosma baueri
Cotoneaster parneyi
Escallonia rubra
Juniperus chinensis *pfitzeriana*
Leptospermum laevigatum
Myrtus communis
Prunus lusitanica
Prunus lyoni
Veronica buxifolia

Shrubs (deciduous)

Chaenomeles japonica (Cydonia)
Weigela florida (rosea)

REGION X

Southern California

Trees (evergreen)

Acacia melanoxylon
Ceratonia siliqua
Cinnamomum camphora
Eucalyptus (all except dwarf species)
Olea europaea
Pinus halepensis
Pittosporum undulatum
Schinus molle

Trees (deciduous)

Fraxinus velutina
Platanus orientalis
Ulmus parvifolia

Shrubs (evergreen)

Buxus japonica
Coprosma baueri
Cotoneaster parneyi
Euonymus japonicus
Leptospermum laevigatum
Nerium oleander
Pittosporum tobira
Pyracantha formosana

Shrubs (deciduous)

Chaenomeles japonica (Cydonia)
Punica granatum
Weigela florida (rosea)

Hedges

Eucalyptus globulus *compacta*
Leptospermum laevigatum
Ligustrum henryi
Ligustrum ovalifolium
Nerium oleander

Vines

(Some used as ground cover)
Bignonia cherere
Bougainvillea in variety
Ficus pumila
Hedera canariensis (*maderensis*)
Jasminum grandiflorum
Tecomaria capensis

Ground covers

Cistus salviifolius
Juniperus chinensis *pfitzeriana*
Lantana sellowiana
Lonicera japonica *halliana*
Mesembryanthemum *croceum*

Grasses (stolons)

(Used as lawn or ground cover)
Cynodon dactylon
Pennisetum clandestinum

REGION X

Southern Nevada, Southwestern and Central Arizona

Trees (evergreen)

Ceratonia siliqua
Cupressus arizonica
Eucalyptus *rudis* (and other hardy species)
Ligustrum japonicum
Pinus halepensis

Trees (deciduous)

Fraxinus velutina
Melia azedarach *umbraculiformis*
Morus kingan
Populus canadensis *eugenei*
Populus fremonti *thornberi*
Ulmus pumila

Shrubs (evergreen)

Cotoneaster parneyi
Euonymus japonicus
Myrtus communis
Nerium oleander
Pittosporum *tobira*
Pyracantha *formosana*

Shrubs (deciduous)

Ligustrum *ovalifolium*

Vines

Jasminum primulinum
Lonicera *japonica* *halliana*

Grasses (stolons)

(Used as lawn or ground cover)
Cynodon dactylon

REGION X

Central Nevada, Northern Arizona

Trees

Cupressus arizonica
Fraxinus velutina
Gleditsia triacanthos
Populus fremonti *thornberi*
Robinia pseudoacacia
Ulmus pumila

Shrubs

Berberis thunbergii
Chaenomeles japonica (Cydonia)
Juniperus chinensis *pfitzeriana*
Lonicera tatarica
Spiraea vanhouttei
Viburnum opulus *sterile*

Vines

Hedera helix
Lonicera *japonica* *halliana*

LATE DELIVERY.

If your copy of the American Nurseryman is slow in reaching you through the mail, please understand that the delay is caused by current conditions which are beyond the responsibility or control of the publisher. Current issues are sent to press on the customary schedule, and mailing is done on the date of publication, or the day preceding whenever possible.

Boston Holds Only Spring Show

Only wartime survivor of the big springtime garden expositions, the New England spring flower show, held at Horticultural hall, Boston, Mass., March 18 to 25, was the usual splendid success in array of exhibits and in attendance. All available exhibition space in the hall was utilized for the event, which was sponsored by the Massachusetts Horticultural Society.

The feature in the main exhibition hall was the "Gardens of the Allies." The loggia was devoted entirely to acacias, while the lecture hall contained an azalea arrangement filling the entire center.

Among the "Gardens of the Allies" was the Russian garden, covering 700 square feet, staged by the Weston Nurseries, Weston, Mass. The owner, Peter J. Mezitt, studied in Russian horticultural schools and practiced in Russia for a number of years. His son, Edmund V. Mezitt, a graduate of the landscape school at Cornell University, drew the plans. The garden received a gold medal for high culture of the stock shown. Lilacs were featured in the background against a rustic fence terminated at one end by a paved terrace and small house. Included were specimens of the pink macrostachya, President Fallieres, Ludwig Spaeth, Miss Ellen Willmott, Congo and Mme. Casimir Perier.

Other subjects used here included *Malus eleyi*, hybrid rhododendrons, *Azalea schlippenbachi*, *Spiraea prunifolia*, tulips, daffodils and various herbaceous perennials. This firm also displayed a long oval bed of roses.

The Bay State Nurseries, North Abington, exhibited an English garden, which included many of the features commonly found in the cottage gardens in England. The thatched-roofed home, the beehive, hawthorns, laburnums, lilacs, boxwoods, yews, old types of roses, rosemary, lavender and other herbs, tulips, daffodils and flowering annuals all contributed appropriately to the effect. It received a gold medal certificate.

A Chinese garden was arranged by the Frost & Higgins Co. Here only a few varieties of shrubs were used. These included *Amygdalus persica roseum*, *Rosa hugonis*, *Pinus banksiana*, *Enkianthus campanulatus*, *Salix babylonica*, *Magnolia stellata* and bamboos, planted about a Chinese home. This exhibit also received a gold medal certificate.

The All-America garden was from Will C. Curtis, Garden-in-the Woods, Sudbury, and contained an immense amount of material from all of the states in the Union. To bring this material together and have it in condition was a great task and

demanded much care and forethought. Probably the rarest plant in this group was *Rhodora canadense albiflora*. Among others included were *Tibouchina semidecandra* and numerous varieties of ivies, begonias, scented geraniums and other plants, all carefully placed. There was no crowding, and each plant, even if small, could readily be picked out by consulting large index cards. This garden received both the gold medal of the Massachusetts Horticultural Society and the Bulkley medal of the Garden Club of America for the exhibit showing the greatest educational value.

On the mezzanine floor Mr. Curtis had collections of cacti and other succulents. He received the award for the best collection of house plants, with special emphasis on unusual and interesting varieties.

The Pan-American jungle scene arranged by Alexander L. Heimlich, Woburn, included much material from Florida, Mexico and the tropics. Tall, gnarled trees had wild smilax running through them and were festooned with Spanish moss. Cattleyas and other orchidaceous plants were scattered through the trees. A waterfall splashed into a large pool, encircled by anthuriums and other bright tropical plants in masses, as well as colonies of plants like sanchezias, crotons, dieffenbachias and



Plants from All States in Union Made This All-American Garden of Will C. Curtis at Boston Show.

others with colorful foliage. This group covered 1,000 square feet and was in semigloom. It was awarded the president's cup for the most meritorious exhibit and also the gold medal certificate of the Horticultural Society of New York for the most beautiful exhibit in the show.

The Cherry Hill Nurseries, West Newbury, had a pleasing, medium-size intimate garden. Hybrid rhododendrons, *Pieris japonica*, azaleas and *Euonymus vegetus* were included in the arrangement.

A special prize went to Wyman's Framingham Nurseries, Framingham, for a small formal garden, embracing many features, neatly laid out.

EUROPEAN ELM SCALE.

To induce timely attention to control measures in combating insect pests in the nursery, the Illinois State Nurserymen's Association will distribute to its members appropriate bulletins supplied by H. F. Seifert, supervisor of horticultural inspection for the Illinois department of agriculture. The first of these, sent out late in March, is on European elm scale control.

During recent years the European elm scale has become one of the more serious pests on nursery trees. In Illinois it was first discovered in Cook county, but now has become firmly established in many locations in the state. All elms, with the exception of Chinese elms, are subject to attack by this pest.

The insect passes the winter on the bark of the tree, hidden in protective crevices on the trunks and branches, and, therefore, may escape being noticed. Since this pest does not have a hard protective covering like some

of the other so-called scale insects, timely applications of spray material will readily control it.

A dormant spray consisting of five gallons of miscible oil and ninety-five gallons of water should be applied to the infested trees during the spring when the temperature is over 40 degrees Fahrenheit.

Probably the most effective control can be obtained if the trees are sprayed when the seeds are forming on the elms, but before the leaves unfold. Infested blocks of trees should receive an application of spray each spring.

It is most important that the trees are given a thorough coverage with spray material because failure to do this is a waste of labor and material.

If elm trees are found by inspectors to be infested, it will be necessary for them to quarantine the infested blocks.

POSTWAR BUILDING RATE.

Housing demand probably will exceed 1,000,000 units a year for the first ten postwar years and will create employment and production in the construction field above any previously known, the 20th Century Fund reported last month.

In a survey of American housing the private research organization said:

"The housing stock as a whole is in an extremely deteriorated condition. In urban areas, more than twenty-three per cent of all dwellings had no private bath in 1940 and over ten per cent were in need of major repairs. In the rural communities these percentages were considerably higher and on farms higher still."



Russian Garden Staged at Boston Show by Weston Nurseries.

SOUTHWESTERN NEWS.

M. H. Webb, Webb Nurseries & Orchards, Ysleta, Tex., was seriously injured in a tractor accident about the middle of February and has been unable to attend to his business.

J. A. Sloan, berry and plant grower, Bidwell, Ark., advises that he is out of business for the duration.

Upon a bid of approximately \$7,000, the Sutton Nurseries, Independence, Kan., were awarded the contract to landscape the grounds of Winter hospital, Topeka, Kan. This is a huge new army hospital opened recently. The landscape plans were prepared by Miss Rhea McCandliss, who formerly was a practicing landscape gardener at Topeka, but is now the supervising landscape architect for the hospital.

W. W. Rooks, owner of Rooks' Nursery, San Angelo, Tex., has taken over most of the nursery of Happy House Gardens, San Angelo. The owner of the latter, Mrs. Chamberlain, died several weeks ago.

Raymond L. Buskirk, Swink, Colo., has closed his nursery business to enter the army.

Myron R. Showers, formerly with the Texas Nursery Co., Sherman, Tex., is now with the National Housing Agency, at Great Bend, Kan. Mr. Showers plans to establish his own nursery business after the war.

Rachel L. Hearn, 46, wife of D. W. Hearn, nursery dealer, Topeka, Kan., was killed by a hit-and-run driver in front of her home, March 22. Found lying in the street by her husband, she died shortly after being taken to a hospital.

Citizens of Emporia, Kan., home town of the late William Allen White, know when they have a good thing. Ora G. Rindom, Riverside Gardens, has been their mayor for the past two terms and he has done such a good job that he was unopposed for the third term.

James N. Farley, Hutchinson, Kan., died February 19 after an illness of several months. Mr. Farley, besides being a successful fruit grower, had served both as secretary and president of the Kansas State Horticultural Society.

THE Indianapolis Landscape Association met March 13 at Hightshue's restaurant, Indianapolis, Ind., the wives of members being guests on this occasion. Alex Tuschinsky, retiring president, showed some colored slides, and Scott McCoy, of Technical high school, gave an illustrated lecture on wild flowers. E. B. Palmer was elected president.

SURPLUS FOR SHIPMENT NOW

We offer the following surplus stock. It is in storage and can be shipped promptly. Send us list of what you are interested in, and we will quote prices.

	11/16-inch	9/16-inch		11/16-inch	9/16-inch
Anoka	1000	200	Hibernal	200	250
Baldwin, Red	300	100	Joan	500	...
Beacon	1000	250	Jonathan, Dark Red	1500	500
Black Ben	100	150	Maiden Blush	250	50
Cortland	250	200	McIntosh, Red	500	...
Delicious, Solid Red	1500	250	Prairie Spy	500	...
Delicious, Sweet	750	...	Red Rome Beauty	150	100
Delicious, Yellow	1000	100	Red Northern Spy	150	125
Dolgo	2000	500	Sharon	1000	...
Dr. Matthews	250	50	Secor	750	...
Duchess, Red	500	...	Summer Champion	750	100
Fameuse	100	...	Tolman Sweet	300	100
Haralson	500	250	Virginia	250	50
Hawkeye Greening	150	100	Whitney	150	...
Eleyi Flowering Crab, 5 to 6 ft.					1000
Hopa Flowering Crab, 5 to 6 ft.					1500

	11/16-inch	9/16-inch	7/16-inch	5/16-inch
Pipestone	100	100	...	...
Tokata	100	...	...	...
Sapa	...	50	50	50
Oka	50	100	150	...
Red Coat	...	...	...	100
Rochester	100	150	...	...
Mayflower	...	...	150	...
Japan Blood	50	100	250	200

	2 to 3 ft.	18 to 24 ins.	12 to 18 ins.
Spiraea Sorbifolia	50	50	50
Golden Elder	200	...	...

	12 to 18 ins.	18 to 24 ins.	3 to 4 ft.	4 to 5 ft.	5 to 6 ft.
Chinese Elm Seedlings	50000	50000	10000	5000	5000

	Jumbo	Heavy	Light
Mary Washington Asparagus	5000	5000	5000
Paradise Asparagus	10000	5000	5000

	No. 1	No. 2
Blackberries	10000	5000

If you have any Surplus Cherry Trees, send us a list of the varieties, grades and prices.

INTER-STATE NURSERIES
Hamburg, Iowa

SURPLUS STOCK FOR SEEDLINGS and HEDGING

	Per 100	Per 1000	Chinese Elm	Per 100	Per 1000	Locust, Black	Per 100	Per 1000
Barberry, Atropurpurea			7,000 2 to 3 ft.....	\$ 1.80	\$15.00	7,000 6 to 12 ins...	\$0.60	\$ 5.00
10,000 9 to 12 ins., 2-yr.	\$5.60	\$50.00	6,600 3 to 4 ft.....	2.40	20.00	3,500 12 to 18 ins...	.90	8.00
			3,000 4 to 5 ft.....	3.20	28.00	3,000 18 to 24 ins...	1.40	12.00
			1,500 5 to 6 ft.....	5.60	50.00	1,400 2 to 3 ft.....	1.80	15.00
						1,400 3 to 4 ft.....	2.60	22.00
Barberry, Thunbergi			Hackberry			Locust, Honey (Thornless)		
20,000 9 to 12 ins., 2-yr.	2.60	22.00	2,000 6 to 12 ins...	.90	8.00	1,500 6 to 12 ins...	.80	7.00
5,000 12 to 18 ins., 2-yr.	3.50	30.00	2,000 12 to 18 ins...	1.70	14.00	1,000 12 to 18 ins...	1.40	12.00
3,000 18 to 24 ins., 2-yr.	6.00	50.00	3,900 18 to 24 ins...	2.40	20.00	3,000 18 to 24 ins...	1.80	15.00
			3,000 2 to 3 ft.....	3.20	28.00	2,000 2 to 3 ft.....	2.40	20.00
			1,500 4 to 5 ft.....	6.50	60.00	1,400 3 to 4 ft.....	3.10	27.00
			600 5 to 6 ft.....	11.00	90.00			
Box Elder			2,000 3 to 4 ft.....	4.00	35.00	Maple, Silver		
5,800 6 to 12 ins...	.50	4.50				20,000 6 to 12 ins...	.60	5.00
600 12 to 18 ins...	.90	8.00	Honeysuckle, Pink Tatarian			8,000 12 to 18 ins...	1.00	9.00
1,000 18 to 24 ins...	1.40	12.00	1,000 12 to 18 ins...	5.60	50.00	1,500 18 to 24 ins...	1.70	14.00
800 2 to 3 ft.....	1.90	16.00	500 2 to 3 ft.....	11.00	90.00	1,000 2 to 3 ft.....	2.40	20.00
Caragana Arborescens			Honeysuckle, Red Tatarian			Mulberry, Russian		
2,000 6 to 12 ins...	.80	7.00	1,500 9 to 12 ins...	3.50	30.00	3,000 6 to 12 ins...	.60	5.00
7,000 12 to 18 ins...	1.20	10.00	2,000 12 to 18 ins...	5.60	50.00	8,000 12 to 18 ins...	1.20	10.00
Catalpa, Western			900 18 to 24 ins...	8.00	70.00	5,600 2 to 3 ft.....	2.40	20.00
2,000 18 to 24 ins...	1.40	12.00			5,000 3 to 4 ft.....	3.10	27.00	
2,000 2 to 3 ft.....	1.90	16.00	Honeysuckle, White Tatarian			Osage Orange		
			750 9 to 12 ins...	3.50	30.00	4,800 6 to 12 ins...	.45	4.00
			1,000 12 to 18 ins...	5.60	50.00	2,700 12 to 18 ins...	.90	8.00

ORNAMENTAL and SHADE TREES

Following trees are dug and heeled in—available for immediate delivery.

	Per 10	Per 100	Maple, Norway, Whips	Per 10	Per 100	Per 10	Per 100
Birch, Cutleaf Weeping	\$ 8.00	\$ 75.00	150 5 to 6 ft.....	\$ 4.50	\$40.00	Prunus Persica, Red-flowering Peach	
150 5 to 6 ft.....	11.00	100.00	250 6 to 8 ft.....	5.50	50.00	70 5 to 6 ft.....	\$ 6.50 \$ 60.00
250 6 to 8 ft.....			Maple, Schwedleri, Whips			Prunus Persica, White-flowering Peach	
(slightly crooked)	11.00	100.00	100 5 to 6 ft.....	8.00	75.00	70 4 to 5 ft.....	\$ 5.50 \$ 50.00
Birch, European White	6.50	60.00	200 6 to 8 ft.....	9.00	85.00	90 5 to 6 ft.....	6.50 60.00
150 5 to 6 ft.....			Maple, Skinner's Cutleaf			Prunus Cistena	
Catalpa Bungei			600 5 to 6 ft.....	5.50	50.00	150 2 to 3 ft.....	4.00 35.00
500 5 to 6 ft.,			400 6 to 8 ft.....	8.00	75.00	Prunus Newport	
2-yr.	11.00	100.00	Mountain Ash, European			80 2 to 3 ft.....	4.00 35.00
350 5 to 6 ft.,			100 6 to 8 ft.....	9.00	85.00	70 3 to 4 ft.....	4.50 40.00
1-yr.	8.50	80.00	350 8 to 10 ft.....	10.00	90.00	90 4 to 5 ft.....	5.50 50.00
Elm, American			Poplar, Lombardy			60 5 to 6 ft.....	7.00
130 4 to 5 ft.....	2.50	22.00	800 4 to 5 ft.....	1.20	10.00	Willow, Niobe	
250 5 to 6 ft.....	3.50	30.00	400 5 to 6 ft.....			300 8 to 10 ft.....	10.00 90.00
Elm, Lake City			\$150.00 per 1000			50 1 1/4 to 1 1/2-in.	12.00 110.00
100 6 to 8 ft.....	7.50	70.00	1,000 6 to 8 ft.....	2.10	18.00	Willow, Pussy	
180 8 to 10 ft.....	10.00	90.00	225.00 per 1000			300 4 to 5 ft.....	3.50 30.00
Elm, Moline			2,000 8 to 10 ft.....	2.90	25.00	200 5 to 6 ft.....	4.00 35.00
140 6 to 8 ft.....	8.00	75.00	270.00 per 1000			Willow, Russian Golden	
400 8 to 10 ft.....	11.00	100.00	1,000 1 1/4 to 1 1/2-in.,	3.50	30.00	200 5 to 6 ft.....	3.50 30.00
Elm, Vase			315.00 per 1000			100 6 to 8 ft.....	5.50 50.00
130 8 to 10 ft.....	11.00	100.00	100 8 to 10 ft.....	4.00	35.00	200 8 to 10 ft.....	7.50 70.00
Locust, Black			Poplar, Silver			Willow, Wisconsin	
100 6 to 8 ft.....	4.50	40.00	100 8 to 10 ft.....	6.00	55.00	300 3 to 4 ft.....	2.40 20.00
150 8 to 10 ft.....	6.00	55.00	Prunus Persica, Pink-flowering Peach			300 4 to 5 ft.....	2.90 25.00
			100 5 to 6 ft.....	6.50	60.00	450 5 to 6 ft.....	4.50 40.00

LAKE'S Shenandoah

IMMEDIATE DELIVERY

SHRUBS

In storage available for immediate delivery.

	Per 100	Per 1000		Per 100	Per 1000		Per 100	Per 1000
Almond, Pink				Euonymus Europaeus			Rhus Aromatica	
300 12 to 18 ins.	\$20.00	.....		350 3 to 4 ft.	\$30.00	.....	300 18 to 24 ins.	\$20.00
300 18 to 24 ins.	25.00	.....		450 2 to 3 ft.	25.00	.....	450 2 to 3 ft.	25.00
150 2 to 3 ft.	35.00	.....					
Althaea, Assorted varieties				Forsythia Fortunei			Rhus Cotinus	
4,000 12 to 18 ins.	7.00	.....		400 2 to 3 ft.	22.50	.....	250 3 to 4 ft.	50.00
Barberry, Redleaf				1,000 3 to 4 ft.	28.00	.....	Rhus Cutleaf	
1,500 9 to 12 ins.	8.00	.....		750 3 to 4 ft.	28.00	.....	700 3 to 4 ft.	28.00
4,000 12 to 15 ins.	14.00	.....					Rose Acacia	
2,000 15 to 18 ins.	18.00	.....		Forsythia Suspensa			150 2 to 3 ft.	30.00
1,500 18 to 24 ins.	22.00	.....		500 2 to 3 ft.	22.50	.....	
900 2 to 2½ ft.	25.00	.....		Honeysuckle, Grandiflora Rosea			Spiraea Anthony Waterer	
Barberry, Thunbergi				700 3 to 4 ft.	28.00	\$250.00	500 18 to 24 ins.	21.00
1,200 12 to 15 ins...	12.00	\$100.00					Spiraea Arguta	
5,000 18 to 24 ins...	14.00	120.00		Honeysuckle, Morrowi			500 18 to 24 ins.	12.00
2,000 2 to 2½ ft...	16.50	140.00		600 3 to 4 ft.	28.00	250.00	1,000 2 to 3 ft...	16.50
700 2½ to 3 ft...	21.00	180.00						
Cornus Paniculata				Honeysuckle, Pink Tatarian			Spiraea Billardi	
200 18 to 24 ins.	16.00	.....		800 2 to 3 ft.	22.00	.....	700 12 to 18 ins.	9.00
250 2 to 3 ft...	20.00	.....		2,000 3 to 4 ft.	28.00	250.00	350 18 to 24 ins.	14.00
Cornus Sanguinea				1,500 4 to 5 ft.	33.00	300.00	500 2 to 3 ft...	19.00
300 2 to 3 ft...	18.00	.....					150 3 to 4 ft...	22.50
100 3 to 4 ft...	22.00	.....		Honeysuckle, Red Tatarian			Spiraea Froebeli	
Cornus Stolonifera				700 3 to 4 ft.	28.00	250.00	1,000 12 to 18 ins.	10.50
500 2 to 3 ft....	19.00	160.00		700 4 to 5 ft.	33.00	300.00	1,000 18 to 24 ins.	14.00
500 3 to 4 ft....	22.00	.....					2,000 2 to 2½ ft....	19.00
Cotoneaster Acutifolia				Hydrangea P. G.			Spiraea Thunbergi	
1,000 2 to 3 ft....	19.00	160.00		125 12 to 18 ins.	20.00	.....	1,000 2 to 2½ ft...	18.00
350 3 to 4 ft....	22.50	200.00		1,500 18 to 24 ins.	28.00	250.00		
Cydonia Japonica				350 3 to 3½ ft.	38.00	350.00	Spiraea Vanhouttei	
170 12 to 18 ins....	16.00	.....		Lilac, Rothomagensis			1,000 4 to 5 ft....	22.00
Deutzia Lemoinei				700 2 to 3 ft.	24.50	220.00	Symphoricarpos Chenaulti	
400 12 to 18 ins...	16.00	.....		2,500 3 to 4 ft.	31.00	280.00	750 2 to 3 ft....	14.00
Deutzia Pride of Rochester				Philadelphus Virginialis			Symphoricarpos Racemosus	
700 18 to 24 ins.	12.00	.....		300 12 to 18 ins.	18.00	.....	1,500 12 to 18 ins.	6.00
500 2 to 3 ft....	18.00	150.00					1,500 18 to 24 ins.	9.00
Euonymus Alatus				Physocarpus Opulifolius			900 2 to 3 ft....	14.00
1,500 2 to 3 ft....	50.00	450.00		500 3 to 4 ft.	21.00	180.00	Viburnum Dentatum	
500 3 to 4 ft....	65.00	600.00					300 18 to 24 ins.	18.00
Euonymus Alatus Compacta				Physocarpus Opulifolius Nanus			350 2 to 3 ft....	20.00
500 18 to 24 ins.	50.00	.....		1,500 3 to 4 ft....	22.50	200.00	Viburnum Opulus Sterile	
400 2 to 3 ft....	70.00	.....		450 4 to 5 ft....	28.00		400 18 to 24 ins.	22.50
							500 2 to 3 ft....	28.00
				Privet, Regel				
				600 2 to 2½ ft....	25.00	.....	

VINES

	Per 100	Per 1000
Ampelopsis Quinquefolia		
270 2-yr. No. 1....	\$18.00	\$150.00
500 2-yr. No. 1....	12.00	100.00
Aristolochia Tomentosa		
500 12 to 18 ins...	10.00	.....
Bignonia Radicans		
500 2-yr. No. 1....	12.00
500 Medium	9.00
Wistaria, American		
190 2-yr. No. 1....	16.00

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ROSES

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Nurseries SHENANDOAH, IOWA

Variety in the Perennial Nursery

By C. W. Wood

You have no doubt noticed an increased call for good wall plants during recent years. That is a direct result of the interest in rock gardens. Many gardeners who found their surroundings poorly suited to rock gardens have turned to wall gardening, not only because their conditions are suited to that treatment, but also because of the love they formed for alpines during their rockery days. That, at least, has been my experience here in north Michigan. These thoughts are prompted by a note made in 1934 on *Ononis cenisia*, which I give in part below:

The great family of legumes has given the gardener not a little good plant material, ranging from large to small in stature and from difficult to easy in culture. Of the small and fairly easy ones which belong in this category the Mont Cenis retharrow, *Ononis cenisia*, is in the front rank. It is hard to understand how this fine plant has so completely escaped the attention of our gardeners, because it possesses most of the good points that an outstanding plant is supposed to have. It is really a subshrub, made up of prostrate branches, carrying small 3-parted leaves, and is, or should be if happy, smothered in lovely pink pea flowers from mid to late June until August. In my garden it has done best in the wall, where it was given a sunny to lightly shaded (only during midday) situation in sandy soil, preferably on the sterile side except for leaf mold to keep it contented in dry weather. Perhaps one reason it thrives in the wall is the root run under rocks. Anyway, it is one of the wall's finest furnishings. Although it is hardier than one would expect a southern plant to be, it would no doubt appreciate some protection from the biting winds of winter in snowless sections. Best results here have come from sowing the seeds in an outdoor frame in March and transplanting the seedlings to pots when large enough to handle and later to the field.

Mulleins are considered too weedy by many gardeners for a place in the hardy border. And that is no doubt true as they are usually used. The usual practice, as I have observed, is to plant mulleins singly in widely separated parts of the border—a practice that gives a spot-

ted appearance and, if the plants are placed where the coarse foliage is prominently displayed, one that might give a weedy effect. On the other hand, give mulleins a dark background, as against a clump of evergreens, plant them in bold masses and give them a screen of some graceful plant, placed between the main point of observation and the mulleins, and one has a planting to suit the most critical. For the role of a screen planting in this case, I know of nothing better than blue platycodon or the early bloomers among the monkshoods. Work out something in your show garden along these lines if you would interest your customers in mulleins.

The preceding paragraph reminds me that *Thermopsis caroliniana* and its lower-growing relative, *T. mon-*

tana, often failed to excite interest in our customers, when they were grown here, until we combined them with tall-growing delphiniums in the show garden. One could get numberless suggestions for the artistic combining of plants, to their mutual advantage, by observing the plants in the nursery.

A problem in many gardens and one that often goes unanswered is the colorful planting of shady places. Ground covers we have, and low-growing plants of desirable flowering habits are not entirely absent, but plants in the latter class which are much over a foot in height are not plentiful. That is one reason why our native pinkroot, *Spigelia marilandica*, should be welcomed by all growers with problems of that nature to solve. In rich

FRUITS — SHRUBS

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APPLES

	Per 100
1 1/2-in. and up.....	\$45.00
1 1/2 to 2 1/2-in.	35.00
2 1/2 to 3 1/2-in.	25.00
1 1/2 1 1/2 2 1/2	
Red Delicious 2000 2000 500	
Jonathan 1000 2500 1000	
McIntosh 2000 5000 1500	
Northern Spy 2000 2000 	
Stayman Winesap 1500 	
Winesap 1000 	
Yellow Delicious 2000 1000 	

GRAPES

	Each
5000 Concord, 2-yr., No. 1.....	8c
3000 Fredonia, 2-yr., No. 1.....	12c

BLACKBERRIES

	Per 1000
No. 1	\$30.00
10,000 Blowers	
5,000 Eldorado	
10,000 Lucretia Dewberry	

TWO-YEAR FLOWERING SHRUBS

	Per 100
Althaea, Dbl. Blue, Pink	
Purple, Red and White, 2 to 3 ft.	\$15.00
Beautybush, 18 to 24 ins.	35.00
Coralberry, 2 to 3 ft.	15.00
Cornus Sibirica Alba, 2 to 3 ft.	15.00
Deutzia, Pride of Rochester 2 to 3 ft.	15.00

TWO-YEAR FLOWERING SHRUBS CONTINUED

	Per 100
Forsythia Spectabilis 2 to 3 ft.	\$18.00
Honeysuckle, Blueleaf 2 to 3 ft.	30.00
Honeysuckle, Fragrant Bush 2 to 3 ft.	20.00
Honeysuckle, Tatarian Pink 2 to 3 ft.	16.00
Hydrangea P.G., 2 to 3 ft.	20.00
Japanese Quince, 18 to 24 ins.	20.00
Kerria Japonica Floreplena 18 to 24 ins.	35.00
Lilac, Pers. Grevy, 2 to 3 ft.	40.00
Lilac, Persian, 2 to 3 ft.	25.00
Regel Privet, 18 to 24 ins.	20.00
Regel Privet, 2 to 3 ft.	25.00
Rose-acacia, 2 to 3 ft.	15.00
Snowball, Common, 2 to 3 ft.	25.00
Snowball, Dentatum, 2 to 3 ft.	25.00
Snowball, Japonicum, 2 to 3 ft.	30.00
Snowberry, Racemosus, 2 to 3 ft.	15.00
Spiraea Anthony Waterer 12 to 15 ins.	15.00
Weigela Rosea, 2 to 3 ft.	15.00
Spiraea Thunbergi, 18 to 24 ins.	15.00
Spiraea, Golden, 15 to 18 ins.	30.00
Syringa Virginialis, 2 to 3 ft.	30.00
Euonymus Radicans, No. 1.....	20.00

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SHRUBS

	Per 10	Per 100	ELDER, Golden	Per 10	Per 100	PRUNUS Continued		Per 10	Per 100
ARALIA Pentaphylla			85 3 to 4 ft.	\$2.50	\$22.00	Jamaisen		\$2.90	\$25.00
15 2 to 3 ft.	\$2.40	\$20.00	200 2 to 3 ft.	2.10	18.00	50 2 to 3 ft.	2.40	20.00	
25 18 to 24 ins.	1.80	15.00				50 12 to 18 ins.	1.80	15.00	
10 12 to 18 ins.	1.20	10.00							
ALMOND, Pink			20 3 to 4 ft.	2.90	25.00	Tomentosum		4.00	35.00
400 12 to 18 ins.	2.00	16.00	60 2 to 3 ft.	2.40	20.00	100 3 to 4 ft.	60 2 to 3 ft.	2.90	25.00
White			25 18 to 24 ins.	1.80	15.00				
300 3 to 3 1/2 ft.	3.50	30.00	10 12 to 18 ins.	1.20	10.00	Triloba Plena	45 3 to 4 ft.	4.50	40.00
30 18 to 24 ins.	2.50	20.00				35 2 to 3 ft.		3.50	30.00
25 12 to 18 ins.	2.00	16.00							
ALTHAEA, Pink			30 3 to 4 ft.	2.90	25.00	RHODOTYPOS Kerrioides	40 2 to 3 ft.	2.90	25.00
300 2 to 3 ft.	2.15	18.00	575 2 to 3 ft.	2.40	20.00	20 18 to 24 ins.	2.40	20.00	
200 12 to 18 ins.	.95	8.00	400 18 to 24 ins.	1.80	15.00				
Purple			335 12 to 18 ins.	1.20	10.00	SYMPHORICARPOS Chenaultii			
50 2 to 3 ft.	2.15	18.00							
60 18 to 24 ins.	1.45	12.00							
245 12 to 18 ins.	.95	8.00							
White			75 18 to 24 ins.	1.80	15.00	Mollis	660 2 to 3 ft.	1.45	12.00
20 3 to 4 ft.	2.50	22.00	60 12 to 18 ins.	1.20	10.00	100 2 to 3 ft.	1.00	8.00	
300 2 to 3 ft.	2.15	18.00				400 12 to 18 ins.	.70	6.00	
240 18 to 24 ins.	1.45	12.00							
140 12 to 18 ins.	.95	8.00							
Red						SPIRAEA Arguta	30 3 to 3 1/2 ft.	2.10	18.00
300 12 to 18 ins.	.95	8.00				100 2 to 3 ft.	1.70	14.00	
BARBERRY, Redleaf						30 18 to 24 ins.	1.45	12.00	
700 18 to 24 ins.	2.50	22.00							
1475 15 to 18 ins.	2.10	18.00							
1475 12 to 15 ins.	1.70	14.00							
BUDDELLIA Charming						Bethlehemensis	50 2 to 3 ft.	2.40	20.00
200 No. 1	2.40	20.00				35 18 to 24 ins.	1.90	16.00	
50 Medium	1.80	15.00							
Dubonnet						Froebei	750 12 to 18 ins.	1.20	10.00
380 No. 1	2.40	20.00				Koreana	40 2 to 3 ft.	1.90	16.00
170 Medium	1.80	15.00				65 18 to 24 ins.	1.45	12.00	
470 No. 2	1.20	10.00							
240 No. 2	1.20	10.00				Prunifolia	150 3 to 4 ft.	2.00	25.00
BUTTONBUSH						Reeves, Double	80 2 to 3 ft.	3.50	30.00
35 3 to 4 ft.	2.40	20.00				135 18 to 24 ins.	2.50	22.00	
40 2 to 3 ft.	1.80	15.00				20 12 to 18 ins.	1.90	16.00	
35 18 to 24 ins.	1.20	10.00				Vanhouttei (Clumps)	400 3 to 4 ft.	2.40	20.00
CARAGANA Arborescens						Glabra	20 3 to 5 ft.	1.80	15.00
45 3 to 4 ft.	1.90	16.00							
90 2 to 3 ft.	1.45	12.00				TAMARIX Africana	225 18 to 24 ins.	1.20	10.00
10 18 to 24 ins.	.95	8.00				200 12 to 18 ins.	.85	7.00	
CORNUS Alba Sibirica						Hispida	200 2 to 3 ft.	2.15	18.00
90 18 to 24 ins.	1.45	12.00				940 18 to 24 ins.	1.70	14.00	
CRAPE MYRTLE, Pink						330 12 to 18 ins.	1.20	10.00	
40 2 to 3 ft.	2.90	25.00				Odessana	20 3 to 4 ft.	2.15	18.00
CYDONIA Japonica						70 2 to 3 ft.	1.70	14.00	
25 2 to 3 1/2 ft.	2.90	25.00				100 18 to 24 ins.	1.20	10.00	
240 2 to 3 ft.	2.40	20.00				135 12 to 18 ins.	.85	7.00	
900 18 to 24 ins.	1.90	16.00				WITCH HAZEL, Vernalis	140 18 to 24 ins.	2.40	20.00
340 12 to 18 ins.	1.45	12.00							
DESMODIUM Penduliflorum									
400 No. 1	2.40	20.00							
200 Medium	1.80	15.00							
EUONYMUS Europaeus									
10 3 to 4 ft.	3.50	30.00							
240 2 to 3 ft.	2.90	25.00							
55 18 to 24 ins.	2.40	20.00							
20 12 to 18 ins.	1.80	15.00							

SHADE AND ORNAMENTAL TREES

	Per 10	Per 100	PEACH, Double-Flowering	Per 10	Per 100	VINES		Per 10	Per 100
CRAB, Arnoldiana			Pink			AMPELOPSIS Engelmanni			
25 5 to 6 ft.	\$ 7.00	\$60.00	10 5 to 6 ft.	\$6.00	...	150 No. 1	\$1.70	\$14.00	
30 4 to 5 ft.	5.00	45.00	35 4 to 5 ft.	5.00	\$45.00	140 Medium	1.20	10.00	
Bechtel's			30 2 to 3 ft.	2.90	25.00	350 No. 2	.85	7.00	
100 3 to 4 ft.	5.00	45.00	PEACH, Double-Flowering			CELASTRUS Orbiculata			
75 2 to 3 ft.	4.00	35.00	Red			200 No. 1	1.90	16.00	
80 2 to 3 ft. whips	3.00	25.00	150 3 to 4 ft.	4.00	35.00	100 Medium	1.45	12.00	
Elm			25 2 to 3 ft.	2.90	25.00	HONEY SUCKLE, Goldflame			
70 5 to 6 ft.	7.00	60.00	White			500 No. 1	3.50	30.00	
90 4 to 5 ft.	5.00	45.00	15 5 to 6 ft.	6.00	...	Hall's			
Floribunda			50 5 to 6 ft.	5.00	45.00	230 Medium	1.10	9.00	
15 4 to 5 ft.	4.00	35.00	10 3 to 4 ft.	4.00	35.00	Tellmanniana			
20 3 to 4 ft.	4.00	35.00	30 2 to 3 ft.	2.90	25.00	150 No. 1	2.90	25.00	
Hops			PEACH, Weeping			45 Medium	2.15	18.00	
170 5 to 6 ft.	7.00	60.00	Pink			POLYGONUM Aubertii			
70 3 to 4 ft.	4.00	35.00	40 4 to 5 ft.	6.00	50.00	100 No. 1	3.20	28.00	
50 2 to 3 ft.	3.00	25.00	60 3 to 4 ft.	4.00	35.00	WISTARIA, Chinese Purple			
Red Silver			40 2 to 3 ft.	2.90	25.00	Blooming Strain			
10 4 to 5 ft.	5.00	45.00	5 5 to 6 ft.	7.50	...	200 No. 1	2.40	20.00	
10 3 to 4 ft.	4.00	35.00	25 3 to 4 ft.	4.00	35.00				
Zumi Calocarpa			10 2 to 3 ft.	2.90	25.00				
50 4 to 5 ft.	5.00	45.00							
MAPLE, Sugar or Hard									
50 6 to 10 ft.	13.50	...							
40 6 to 8 ft.	10.00	...							
40 5 to 6 ft.	7.50	...							

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soil, especially one rich in leaf mold, that is not too dry, pinkroot will attain a stature of two feet, and it is then a beautiful sight in June and July, when it is showing off its spikes of yellow-throated, red tubular flowers. It grows naturally in woods throughout the eastern and southern states, though it does not need a woodland for its comfort, if moisture is present in sufficient amount. In fact, I have seen it used in full sun along stream banks, where it did remarkably well. It grows readily from seeds planted outdoors in autumn.

Although *Arabis procurrens* is generally grown in sunny situations, when it is used at all, I have used it in shade with satisfactory results. In one case it was used on a shady terrace in sterile soil and there gave a good account of itself over a long period. This client had planted many of the kinds usually recommended, but because of infertile soil, near-desert dryness or both, or some other unknown factor, all had failed. The arabis was recommended after observing its splendid behavior under the most adverse conditions; so I was not surprised when it reacted in a pleasing manner. Here is a plant of wide usefulness, perhaps the best of the arabis species for general use, for it will not only endure sun or shade and rich soil or poor, but it will resist moisture conditions which would spell death to the hairy-leaved kinds, including *A. albida*. And in addition to its generous offering of white cross flowers from mid-April until late May or early June, more on the order of a draba flower than the familiar arabis pattern, it has a year-around mat of glossy, dark green leaves to recommend it. It has myriad uses in the garden. The plant is readily increased by division.

There was a little plant in a few nurseries about ten years ago under the label of *Coronilla minima* that would not only add variety to the neighborhood grower's offerings, but would admirably serve several special purposes in his customers' gardens. Among other things, it is one of the most entrancing low covers for sunny plains in the rock garden that I know. There its carpet of lovely legume foliage, borne on woody stems about an inch high, is a joy throughout the open year. And its golden pea-shaped flowers, arranged in circles at the top of each stem, are one of the high lights of the garden year. In addition to the use mentioned, I found it a good wall ornament and a fine ground cover for any sunny spot. Increase

is by division and seedage, and perhaps from cuttings.

Anchusa barrelieri has definite merits for our present enumeration, not only because of its superior beauty in a genus of beautiful plants, but also for its ability to fill special roles in the making of pleasing garden pictures. Compared with other anchusa species, it has many traits superior to the more popular kinds. In the first place, it has proved to be more permanent here, being hardier than *A. myosotidiflora* and more reliably perennial than *A. italicica* forms. And its ability to get along well in half shade adds to its usefulness as a garden plant. Add to the foregoing the fact that its blue (cobalt is the word generally used to describe the shade) flowers are closer together on its stems than is the case in other anchusas and one has a plant of many uses, including that of a cut flower. Its most profuse blooming period falls in May and early June here in northern Michigan, its lovely blue shade making it an ideal companion for doroncums and other yellow flowers of that season. All that should be enough to make any plant popular, it seems to me, but this one seems to have missed the nod of most gardeners. I have long wondered why that should be the case and have finally come to the conclusion that it is because of two easily remedied reasons: (1) Its erratic behavior from seeds and (2) its not being easy to move after it has attained much size. The first may

be overcome by growing it from root cuttings, made in early spring and handled in light soil until large enough to transplant to pots. With greenhouse facilities or even a hotbed, cuttings may be made early enough to have plants of salable size at the usual selling season.

Most *linarias* are pleasant plants to have around, though one has to be careful not to choose any of the violent spreaders if he would save his peace of mind. Thus, there are several yellow-flowered perennials, which, if given a foothold in loose soil, would spread to the farthest corner of the garden in a few years. There are others, however, of a more conservative nature which would serve well the purpose of adding variety to the perennial nursery and charm to the garden. Of these, *L. macedonica speciosa* should have consideration. It has, first of all, whorls of pretty glaucous leaves, reminding one of some of the euphorbias, along the lower part of its 3-foot stems, as a summer-long decoration. And then in June it commences the production of soft yellow, snapdragon-like flowers in loose sprays, continuing its performance until August—a pleasingly long blooming period for any plant and one that falls at a time of dearth in this case. I have in mind now a clump, perhaps of three or four plants when they were put there several years ago, which is all of four feet across, with delphiniums and *Anchusa italicica* as a background, that makes a most pleasing picture



MUGHO PINE TRANSPLANTS

Mugho Pine is a real war casualty. When present supply of liners is gone no more will be available as seed for the true dwarf type was all imported and none has come in since 1939. Seedlings are no longer to be had. Line out some of these genuine true dwarf Mugho while still available.

	Per 100	Per 1000
4 to 6 ins., X.....	\$ 8.50	\$ 80.00
6 to 9 ins., X.....	11.00	95.00
9 to 12 ins., X.....	13.00	120.00
4 to 6 ins., XX.....	11.00	95.00
6 to 9 ins., XX.....	14.00	125.00

EVERGREEN NURSERY CO.
STURGEON BAY, WIS.

Growers of Lining-Out Stock since 1864.

FLOWERING SHRUBS—TREES AND VINES

FOR PROMPT SHIPMENT FROM OUR STORAGE CELLARS

ACANTHOPanax (Aralia) pentaphyllum	Per 10	Per 100
120 2 to 3 ft.	\$2.50	\$20.00
320 3 to 4 ft.	2.50	25.00
195 4 to 5 ft.	3.50	30.00
 BERBERIS thunbergii		
500 18 to 24 ins.	1.60	12.50
1800 24 to 30 ins.	1.70	14.00
450 30 to 36 ins.	2.10	17.50
 thunbergii atropurpurea (Red-leaved)		
650 18 to 24 ins.	2.10	18.00
300 24 to 30 ins.	2.60	22.50
130 30 to 36 ins.	3.00	26.00
 CHIONANTHUS virginicus		
320 2 to 3 ft.	2.50	22.00
130 3 to 4 ft.	3.00	27.00
60 4 to 5 ft.	4.00	35.00
 CORNUS alba sibirica		
300 3 to 4 ft.	2.00	17.00
290 4 to 5 ft.	2.50	22.00
 alternifolia (Pagoda Dogwood)		
120 4 to 5 ft.	3.30	30.00
 mas (Cornelian Cherry)		
275 2 to 3 ft.	2.30	20.00
220 3 to 4 ft.	2.80	25.00
 paniculata (Gray Dogwood)		
380 3 to 4 ft.	2.30	20.00
 stolonifera lutea (Yellow)		
195 2 to 3 ft.	1.80	15.00
275 3 to 4 ft.	2.30	20.00
 COTONEASTER acutifolia		
150 2 to 3 ft.	2.00	17.00
345 3 to 4 ft.	2.30	20.00
 CYDONIA japonica		
475 18 to 24 ins.	2.30	20.00
175 2 to 3 ft.	2.80	25.00
 DEUTZIA lemoinei		
380 18 to 24 ins.	2.80	25.00
 EUONYMUS alatus		
275 2 to 3 ft.	5.00	45.00
210 3 to 3½ ft.	6.50	60.00
 atropurpureus (Wahoo)		
135 3 to 4 ft.	3.30	30.00
 FORSYTHIA fortunei		
700 2 to 4 ft.	2.10	18.00
375 4 to 5 ft.	2.60	22.50
 intermedia		
600 2 to 3 ft.	1.80	15.00
375 3 to 4 ft.	2.10	18.00
 intermedia nana (Dwarf)		
360 18 to 24 ins.	2.10	18.00
290 2 to 2½ ft.	2.60	22.50
 intermedia spectabilis		
160 3 to 4 ft.	2.30	20.00

OUR COMPLETE OFFERINGS of stock for spring shipment are included in our regular Wholesale Price List, to which we also refer you for our complete Terms and Conditions of Sale.

TERMS: Cash with order except where satisfactory credit has been established. C. O. D. orders must be accompanied by one-third cash. We allow 3% discount where cash in full to cover cost of stock and packing is received with order. Credit terms: 2% ten days from invoice date, due net 30 days end of month.

PACKING IS ADDITIONAL, at cost.

HYDRANGEA P. G.		BURNUM americanum	
		Per 10	Per 100
700 2 to 3 ft.		\$2.50	\$22.50
 ILEX verticillata			
185 2 to 3 ft.		2.00	22.50
90 3 to 4 ft.		3.30	30.00
 KOLKWITZIA amabilis			
290 18 to 24 ins.		3.00	27.00
340 2 to 3 ft.		3.80	34.00
 LONICERA bella albida			
550 3 to 4 ft.		1.90	16.00
 fragrantissima			
90 2 to 3 ft.		2.30	20.00
70 3 to 4 ft.		2.80	25.00
 morrowi			
240 2 to 3 ft.		1.90	16.00
400 3 to 4 ft.		2.50	22.00
 ruprechtiana			
90 2 to 3 ft.		1.90	16.00
100 3 to 4 ft.		2.50	22.00
 tatarica sibirica			
580 3 to 4 ft.		2.50	22.00
100 4 to 5 ft.		3.00	27.00
 PHILADELPHUS coronarius			
480 3 to 4 ft.		2.00	17.00
150 4 to 5 ft.		2.50	22.00
 virginicus			
250 18 to 24 ins.		2.00	22.50
 PHYSOCARPOS opulifolius			
120 3 to 4 ft.		2.00	17.00
175 4 to 5 ft.		2.50	22.00
 opulifolius aureus			
270 3 to 4 ft.		2.00	17.00
175 4 to 5 ft.		2.50	22.00
 opulifolius manus (Dwarf)			
470 2 to 3 ft.		1.80	15.00
180 3 to 4 ft.		2.30	20.00
 RHODOTYPOS kerrioides			
220 18 to 24 ins.		1.90	16.00
150 3 to 4 ft.		3.50	30.00
 SAMBUCUS aurea (Golden Elder)			
170 3 to 4 ft.		2.50	20.00
 SPIRAEA Anthony Waterer			
175 18 to 24 ins.		2.80	25.00
 froebell			
350 24 to 30 ins.		2.10	18.00
250 30 to 36 ins.		2.50	22.00
 prunifolia plena			
100 2 to 3 ft.		2.50	22.00
40 3 to 4 ft.		3.50	30.00
 vanhouttei			
950 2 to 3 ft.		1.50	12.00
700 3 to 4 ft.		1.90	16.00
 SYMPHORICARPOS racemosus			
100 2 to 3 ft.		1.50	12.00
170 3 to 4 ft.		1.90	16.00
 vulgaris (Cornelberry)			
320 2 to 3 ft.		1.50	12.00
175 3 to 4 ft.		2.00	17.00
 SYRINGA persica (Persian Lilac)			
385 2 to 3 ft.		2.30	20.00
700 3 to 4 ft.		2.80	25.00
500 4 to 5 ft.		3.50	30.00
 TAMARIX hispida			
150 2 to 3 ft.		1.70	14.00
100 4 to 5 ft.		2.50	22.00
 AMPELOPSIS engelmanni			
900 2-yr., No. 1		\$1.70	\$14.00
1100 2-yr., medium		1.30	10.00
 veitchii (Boston Ivy)			
250 3-yr., No. 1,			
2 to 3 ft.		3.50	30.00
200 2-yr., No. 1,			
18 to 24 ins.		3.00	25.00

TREES

CATALPA bignonioides	Per 10	Per 100
110 5 to 6 ft.,		
1-yr. heads	\$8.00	\$70.00
 MAGNOLIA soulangeana		
60 3 to 4 ft.,		
B&B, budded	42.50	—
 POPULUS, Lombardy		
250 1½ to 1¾-in.	3.75	32.00
200 1½ to 1¾-in.	5.00	40.00

FLOWERING CRABS

MALUS arnoldiana	Per 10	Per 100
90 4 to 5 ft.	\$4.50	\$40.00
 astrosanguinea		
40 5 to 6 ft.	5.50	50.00
 brevipes		
55 3 to 4 ft.	3.60	32.50
60 4 to 5 ft.	4.50	40.00
25 5 to 6 ft.	5.50	50.00
 floribunda		
55 5 to 6 ft.	5.50	50.00
125 6 to 8 ft.	7.00	60.00
 purpurea aldenhamensis		
55 5 to 6 ft.	5.50	50.00
45 6 to 8 ft.	7.00	60.00
 purpurea corylifolia		
65 6 to 8 ft.	7.00	60.00
 sargentii		
85 3 to 4 ft.	4.00	35.00
110 4 to 5 ft.	4.50	40.00
 theifera		
50 5 to 6 ft.	5.50	50.00

VINES

AMPELOPSIS engelmanni	Per 10	Per 100
900 2-yr., No. 1	\$1.70	\$14.00
1100 2-yr., medium	1.30	10.00
 veitchii (Boston Ivy)		
250 3-yr., No. 1,		
2 to 3 ft.	3.50	30.00
200 2-yr., No. 1,		
18 to 24 ins.	3.00	25.00

BRYANT'S NURSERIES
ARTHUR BRYANT & SON PRINCETON, ILLINOIS

in that early summer garden. This *linaria* is easily grown from seeds or divisions and is indestructible in any sunny well drained spot.

I have been watching a planting of *Physostegia virginiana gigantea* for several years, and as the years pass, I am more and more convinced that it is a plant that deserves far more attention than it now receives. Type *P. virginiana*, because of its spreading habit and poor color, never impressed me favorably. And I suspect that many gardeners of much experience feel the same way about it. But variety *gigantea* is an entirely different thing. In the first place, it has lost somewhere along the way the desire of its kind to occupy the earth and has also gained a softer color, making it more appealing to the discriminating gardener. It is one of the better spire plants, now so sought after by garden makers and, as such, should be a good item for the neighborhood grower looking for something to add variety to his perennial offerings. As it is usually grown, this plant seldom exceeds three feet in height; in the garden mentioned, where it is planted in extremely rich soil, dug to a depth of eighteen inches and given an ample supply of moisture, it attains the stately stature of four and one-half feet and is then one of the most arresting plants in the garden during its long blooming season. This *physostegia* is grown from divisions or cuttings.

There are several tall perennials that come to mind in this connection, some useful for their spire-like effects while others are chiefly useful because of graceful spreading growths which are valuable because they have the ability to draw together plants of different habits—hence the term “binders” used by some gardeners. Of the latter, one of the sennas, *Cassia marilandica*, is especially noteworthy, though seldom seen. In addition to its role as a binder, it has much to recommend itself to the garden maker. First there are the lovely light green leaves, each pinnate leaf made up of upward of ten leaflets; then there are the dense clusters of yellow pea flowers in July and August, when color of any kind from a perennial is appreciated. An opinion that the plant needs a moist soil, perhaps coming from the often repeated statement that it grows naturally in wet soil, seems to be widespread; however, the truth is that it is too accommodating to demand moisture. In fact, it does well in our light sand, even in grass. It then grows only

about three feet tall instead of the four or five feet of which it is capable in rich moist soil. Grow this *cassia* from seeds.

While on the subject of tall perennials, I should like to bring one more to the attention of seekers of variety, *Echinops sphaerocephalus*. It is far superior, in my estimation, to *E. ritro*, the globe thistle most often seen. In the first place, it is a true perennial instead of a biennial, as in *ritro*, and in some of its garden forms it is far superior to the latter in blueness of foliage and flower head. *Sphaerocephalus* type may become three feet tall under indifferent treatment, while it will reach up to six feet in a deep rich soil. It is then one of the better accent plants, one that demands and receives instant attention. The type may be grown easily from seeds; the named forms must be reproduced vegetatively, usually from cuttings of the fleshy roots.

RED CROSS SENDS SEEDS FOR PRISONERS OF WAR.

Seed packets for American prisoners of war held in Axis Europe are now being provided by the American Red Cross. Each packet weighs about six pounds and contains enough seeds to plant a plot of 5,000 square feet.

Contents of these packets were decided upon in consultation with the United States Department of

Agriculture, taking into consideration nutritional values and the seeds best suited to the intended purpose. Included in each package are lettuce, spinach, Swiss chard, cabbage, radishes, beets, carrots, onions, tomatoes, parsnips, turnips, green beans and peas. Each package likewise contains flower seeds, zinnias, marigolds and candytuft, and a small combination garden tool.

More than 4,000 of these packets are being sent this spring for distribution through the International Red Cross Committee, at Geneva, Switzerland. Distribution is being made on a basis of one packet to

ORNAMENTAL SHRUBS & VINES

	Per 100
<i>Ampelopsis Quinquefolia</i>	\$12.00
2-yr., No. 1.....	
<i>Aronia Arbutifolia</i>	20.00
2 to 3 ft.....	
<i>Almond, Double Pink</i>	25.00
2 to 3 ft.....	
3 to 4 ft.....	30.00
<i>Cornus Lutea</i>	25.00
3 to 4 ft.....	
<i>Cornus Mascula</i>	45.00
4 to 5 ft.....	
<i>Cornus Sibirica</i>	16.00
3 to 4 ft.....	
<i>Cornus Stolonifera</i>	22.00
4 to 5 ft.....	
<i>Deutzia Lemonei</i>	25.00
3 to 4 ft.....	
<i>Euonymus Alatus</i>	45.00
3 to 4 ft.....	
<i>Euonymus Carreri</i>	25.00
3-yr.....	
<i>Euonymus Radicans</i>	25.00
3-yr.....	
<i>Euonymus Vegetus</i>	32.00
3-yr.....	
<i>Forsythia</i> in variety	
18 to 24 ins.....	15.00
4 to 5 ft.....	30.00
<i>Honeysuckle</i> ,	
Tatarian Pink, Red and White	
3 to 4 ft.....	22.00
4 to 5 ft.....	30.00
<i>Lilac, Josikaea and Villosa</i>	40.00
4 to 5 ft.....	
<i>Philadelphia Coronarius</i>	30.00
5 to 6 ft.....	
<i>Snowberry, Red</i>	12.00
2 to 3 ft.....	
<i>Spiraea Anthony Waterer</i>	14.00
12 to 18 ins.....	
18 to 24 ins.....	17.00
<i>Spiraea Vanhouttei</i>	
5 to 6 ft.....	30.00
<i>Viburnum Dentatum</i>	
4 to 5 ft.....	30.00
<i>Viburnum Lantana</i>	
4 to 5 ft.....	30.00
<i>Viburnum Lantago</i>	
5 to 6 ft.....	45.00
<i>Viburnum Molle</i>	
4 to 5 ft.....	30.00
<i>Viburnum Opulus</i>	
4 to 5 ft.....	35.00
<i>Witch Hazel</i>	
5 to 6 ft.....	40.00

Ornamental Trees

	Per 100
<i>Catalpa Bungei</i>	\$ 75.00
3-yr. hds.....	
<i>Linden, American</i>	300.00
3 to 4 ins.....	
<i>Maple, Norway</i>	400.00
3 to 4 ins.....	
4 to 5 ins.....	600.00
<i>Maple, Silver</i>	150.00
2 to 3 ins.....	
3 to 4 ins.....	250.00
<i>Maple, Sugar</i>	350.00
2½ to 3 ins.....	
3 to 4 ins.....	475.00
<i>Thorn, Paul's Scarlet</i>	75.00
4 to 5 ft.....	

Write for our price list.

W.-T. SMITH CORPORATION
Geneva, New York

Some Good JUNIPER UNDERSTOCK

20,000 *JUNIPER VIRGINIANA*,
2-yr., T.

\$5.00 per 100; \$35.00 per 1000.
(Fall 1944 Shipment.)

E. D. ROBINSON

Sales Agency
Wallingford, Conn.

Mention The American Nurseryman when you write.

FRUIT TREES

Refer to our ¾-page advertisement in the
March 15 issue.

HARRISON BROS. NURSERIES
Berlin, Md.

*save the
moisture*



*and you
save the tree*

DOWAX

- ★ Retards Evaporation
- ★ Conserves Vital Moisture
- ★ Discourages Borer Attack
- ★ Eliminates Wrapping, Except on Thin Bark Varieties.



*Extends the
Transplant season*

THE DOW CHEMICAL COMPANY • MIDLAND, MICHIGAN
New York • Boston • Philadelphia • Washington • Cleveland • Chicago • St. Louis • Houston
San Francisco • Los Angeles • Seattle

DOWAX

each so-called mess, a term used to designate the divisions of prisoners within the camps. Although the number of packets may seem comparatively small, it is calculated to be more than sufficient for the number of Americans held prisoner. In fact, it is anticipated there will be a surplus of packets and these will be distributed among other United Nations prisoners.

Working the gardens will provide a useful way for our soldiers and sailors held as prisoners of war to pass many a dreary hour of their confinement. In large measure, too, the garden will add to the beauty of their surroundings. The produce raised will be used to supplement the normal rations provided for the prisoners, as well as the standard Red Cross food parcels which are delivered to each American prisoner weekly.

Services to prisoners of war are but one of many activities conducted by the American Red Cross for the benefit of our men and women in uniform. These services look to the welfare of every soldier and sailor from the time they don their uniform until they return to civilian life. All Red Cross services are supported from funds raised by voluntary contributions and gifts.

Dowax, a remarkable scientific wax emulsion, conserves the natural moisture within trees and shrubs, making it possible to transplant them at any season of the year. It can be used on trees in either the dormant or foliage stage, and one application will serve for an entire season. Write for additional information.

SHERWOOD'S EVERGREEN LINERS

Our Wholesale Trade List is probably in your files. If not, a copy will be mailed upon request. Better make up your order today. While our supply of fine lining-out evergreens is large, it is not inexhaustible. Reserves of good nursery stock throughout the country are being rapidly depleted, and there is certain to be a famine of good evergreens following the war. Who but the wide-awake, resourceful nurseryman will be able to meet the demand?

<i>Abies balsamea</i> (Balsam Fir)	A conifer of symmetrical, pyramidal growth, aromatic foliage, hardy 100 to Labrador. 15 to 18 ins. T.....	100	\$13.00	\$104.00
<i>Abies concolor</i> (White Fir)	A tree of symmetrical growth and beautiful bluish foliage. Has great resistance to heat, cold and drought. 6 to 8 ins.	7.00	56.00	
<i>Abies nobilis</i> (Noble Fir)	A magnificent tree native of Oregon mountains. Foliage bluish-green. 4 to 6 ins.	7.00	56.00	
<i>Picea engelmanni</i> (Engelmann Spruce)	Slender, large growing tree with bluish-green to steel-blue foliage. 6 to 8 ins. T.....	8.00	64.00	
<i>Picea excelsa</i> (Norway Spruce)	Defies the blast in cold exposed situations. Valuable for windbreaks and makes a good specimen tree. 12 to 15 ins. T.....	12.00	96.00	
<i>Picea pungens</i> (Colorado Spruce)	Color effect ranges from green to silvery-blue. One of the most desirable of spruces. 8 to 10 ins. T.....	9.00	72.00	
<i>Pseudotsuga douglasii</i> (Douglas Fir)	We are offering the Colorado silver-gray strain, considered the best for ornamental purposes. A truly stately tree. 18 to 24 ins. T.....	18.00	144.00	
<i>Thuja occidentalis</i> (American Arborvitae)	A compact narrow pyramid. Fine for hedges or windbreaks. 12 to 18 ins.	11.00	88.00	
<i>Tsuga canadensis</i> (Canada Hemlock)	Conifer of graceful pleasing habit of growth. An excellent hedge subject. 6 to 12 ins.	7.00	56.00	

Sherwood Nursery Co.

EVERGREENS—Propagators and Growers

141 S. E. 65th Avenue, Portland, Oregon

REMEMBER: Sherwood Nursery Co., pays the shipping cost on lining-out stock to any point in the United States. No packing charge.

TERMS: Cash. Will ship upon receipt of 25%, balance C. O. D. 25^o at 100 rate; 250 at 1000 rate.



What's New in War Control Orders

RATINGS FOR CONTAINERS.

A revision of preference rating order P-140 and the issuance of preference rating order P-146, March 1, 1944, assign ratings which may be used to get new wooden and fiber shipping containers and parts, according to Richard P. White, executive secretary of the American Association of Nurserymen, Washington, D. C.

In both orders, P-140 covering wooden containers and P-146 covering fiberboard, an AA-2X rating (formerly AA-4 for wooden containers) is assigned for the procurement of containers for "fruit trees, berry bushes and vegetable plants."

The purchaser must certify on his order a manually signed certification in substantially the following form.

"The undersigned purchaser certifies, subject to the penalties of section 35(A) of the United States criminal code, to the seller and to the War Production Board, that he is entitled to apply the preference rating set forth on this order and that such application is in accordance with priorities regulation 3 and is justified by paragraph 'h' of order . . . (P-140 or P-146, as the case may be).

These orders will allow the use of an AA-2X rating for the purchase of box lumber and parts and fiberboard containers for the shipment of the specified commodities. They offer no relief for the purchase of containers for the shipment of ornamental trees and shrubs.

COMPLAINT ON CONTAINERS.

In his newsletter following the one announcing that shippers of fruit trees and berry bushes may use AA-2X rating to obtain box lumber, Secretary R. P. White of the American Association of Nurserymen called attention to conflicting interpretations of orders at Washington which tie up the container supply for those nurserymen shipping ornamental trees and shrubs. Briefly, it may be said that in spite of any priority obtainable on supplies, orders L-232 and L-317 still prohibit ornamental nurserymen from shipping in new containers. Appeals for further authorizations to use inventories of lumber on hand have been handled quite inconsistently.

Consequently, Secretary White urges nurserymen to present to their congressmen complaints on both orders L-232 and L-317 prohibiting the

shipment of ornamental trees and shrubs in wooden and fiberboard containers. Request your congressmen to seek amendment to order L-232 (1) to grant blanket permission to all concerns shipping prohibited products to use present inventories; (2) to grant permission to use secondhand lumber for the manufacture of containers to ship prohibited products; (3) to grant permission to use new lumber grown on the owner's farm, and (4) to grant permission to use low-grade lumber, shims and rejects obtainable from mills for the manufacture of containers for shipping prohibited products.

FIBER CONTAINERS.

Further controls of shipping containers for civilian goods have been announced by the War Production Board. Increased requirements for V-boxes for military shipments make this action necessary, WPB said, although container board is being produced to the limit of the wood pulp supply available for it.

The extended controls over the use of new solid fiber and corrugated shipping containers are embodied in an amendment to fiber shipping container order L-317, effective April 1.

All new solid fiberboard and corrugated cartons when .045 inches or more thick will come within WPB regulations under provisions of the

amendment. Control was previously limited to a minimum carton thickness of .060 inches. By this change, control is extended to many container classifications previously exempt.

Product quotas for controlled fiber shipping cartons have been partially revised in L-317 as amended and extended to include a number of items not before affected. Under quota, a given product is allowed to specific percentage of the new shipping cartons used for it during the base period, the corresponding quarter of 1942. Quotas, as before, will be computed in terms of container board footage and tonnage.

A number of products, under shipping carton quotas for some months, now have a smaller percentage of their base period shipping carton supply. Flowers and plants, among other items, are cut five per cent on

LINING-OUT STOCK

- LAST CALL -

ALL GRADED AND READY TO SHIP

	Per 100
100 Acanthopanax Penta, H. C. 3 to 5 ins.	\$3.50
250 Amorpha Fruticosa, 4 to 8 ins.	2.50
500 Berberis Thunbergi, 9 to 15 ins.	1.25
9,400 Berberis Thunbergi, 6 to 9 ins.	1.00
100 Berberis Boxleaf, 4 to 6 ins.	3.00
200 Berberis Erecta, 4 to 8 ins.	3.00
850 Carniana Arb., 6 to 12 ins.	3.00
650 Cerasus Amomum, 12 to 24 ins.	3.00
250 Cotoneaster Divaricata, 6 to 12 ins.	3.00
900 Cydonia Japonica, 18 to 24 ins.	3.00
4,000 Cydonia Jap., 6 to 15 ins.	2.00
565 Cydonia Jap., upr. red. 18 to 24 ins.	4.00
3,400 Cydonia Jap., upr. red. 6 to 8 ins.	3.00
250 Deutzia Crenata, 6 to 18 ins.	3.00
95 Forsythia Suspensa, 12 to 24 ins.	3.00
125 Hippophae Rhamn., 12 to 18 ins.	3.00
365 Hippophae Rhamn., 6 to 12 ins.	2.50
190 Lonicera Bella Albida, 6 to 18 ins.	3.00
2,900 Lonicera Halliana, No. 1 layers.	2.00
75 Lonicera Morrowi, 6 to 12 ins.	3.00
145 Lonicera Syr. Wolff, 6 to 12 ins.	2.50
875 Lonicera Syr. Rosea, 4 to 10 ins.	3.00
150 Lonicera Zabeli, 4 to 8 ins.	3.00
115 Philadelphus Coronarius, 6 to 12 ins.	3.00
600 Philadelphus Banniere, 4 to 8 ins.	3.00
300 Philadelphus Ophelia, 4 to 6 ins.	3.00
50 Physocarpus Opulifolius, 12 to 24 ins.	3.00
50 Populus Simoni, 2 to 3 ft.	3.00
295 Populus Simoni, 4 to 5 ft.	4.00
810 Populus Simoni, 5 to 6 ft.	5.00
2,250 Rhamnus Alnifolia, 6 to 18 ins.	2.50
200 Salix Britzensis, 3 to 4 ft.	4.00
225 Salix Britzensis, 4 to 5 ft.	5.00
75 Salix Britzensis, 5 to 6 ft.	6.00
910 Salix Babylonica, 4 to 5 ft.	5.00
112 Salix Babylonica, 5 to 6 ft.	6.00
790 Salix Babylonica, 5 to 7 ft.	7.50
150 Symphoricarpos Chenaultii, 6 to 12 ins.	3.00
300 Tamarix Africana, 6 to 12 ins.	2.50
475 Tamarix Gallica, 6 to 18 ins.	2.50
525 Viburnum Americanum, 18 to 24 ins.	5.00
800 Viburnum Americanum, 8 to 18 ins.	4.00
325 Viburnum Dentatum, 6 to 18 ins.	4.00
500 Viburnum Diflatatum, 6 to 8 ins.	4.50
600 Viburnum Lantana, 8 to 18 ins.	4.00
3,275 Viburnum Lantana, 4 to 8 ins.	3.00
2,170 Viburnum Lentago, 8 to 18 ins.	3.00
500 Viburnum Opulus, 6 to 8 ins.	3.00
475 Viburnum Sieboldii, 4 to 6 ins.	5.00

If interested in other items, kindly write us for quotations.

Usual terms to responsible nurserymen.

PONTIAC NURSERIES

Romeo, Michigan

Division of
SEABROOK FARMS
Bridgeton, N. J.

KOSTER NURSERY

Azaleas, Rhododendrons, Taxus, Junipers, Lilacs, Maples, Dogwood and other items in lining-out and smaller specimen sizes.

For complete line refer to issue of February 15 or March 1, 1944, or write for our price list.

Division of

SEABROOK FARMS
Bridgeton, N. J.

LEASE EXPIRATION SALE

Our lease expires on land which holds large quantities of shade and ornamental trees. We offer you, in this advertisement, a portion of these trees in various lots at prices very reasonable. Purchaser is to dig them himself. Get in touch with us, inspect the trees, and let us get together.

LOT NO. 1, \$350.00

European Sycamore
28 1 1/2 to 1 1/2-in. cal.
172 1 1/2 to 2-in. cal.
73 2 to 2 1/2-in. cal.
12 2 1/2 to 3-in. cal.
2 3 to 4-in. cal.

LOT NO. 2, \$300.00

Silver Maple
72 1 1/2 to 2-in. cal.
30 2 to 2 1/2-in. cal.
19 2 1/2 to 3-in. cal.
18 3 to 4-in. cal.

Wier's Cut-leaf Maple
20 1 1/2 to 2-in. cal.
38 2 to 2 1/2-in. cal.
15 2 1/2 to 3-in. cal.

LOT NO. 3, \$320.00

Silver Maple
43 2 to 2 1/2-in. cal.
52 2 1/2 to 3-in. cal.
150 3 to 4-in. cal.
27 4 to 5-in. cal.

LOT NO. 4, \$1434.00

Silver Maple
422 1 1/2 to 2-in. cal.
337 2 to 2 1/2-in. cal.
310 2 1/2 to 3-in. cal.
69 3 to 4-in. cal.

LOT NO. 5, \$264.00

Bolleana Poplar
35 1 1/2 to 1 1/2-in. cal.
375 1 1/2 to 2-in. cal.
21 2 to 3 1/2-in. cal.

LOT NO. 6, \$183.00

European Sycamore
29 1 1/2 to 1 1/2-in. cal.
58 2 to 2 1/2-in. cal.
40 2 to 3 1/2-in. cal.
7 2 1/2 to 3-in. cal.

LOT NO. 7, \$95.00

Silver Maple
8 1/2 to 1 1/2-in. cal.
41 1 1/2 to 2-in. cal.
29 2 to 2 1/2-in. cal.

LOT NO. 8, \$472.00

Poplar Meyeri
17 1 1/2 to 8 ft.
26 8 to 10 ft.
32 1 1/2 to 1 1/2-in. cal.
10 1 1/2 to 2-in. cal.

Simoni Poplar

7 1 1/2 to 8 ft.
30 8 to 10 ft.
35 1 1/2 to 1 1/2-in. cal.
22 1 1/2 to 2-in. cal.

Carolina Poplar

11 1 1/2 to 1 1/2-in. cal.
16 1 1/2 to 2-in. cal.
7 2 to 2 1/2-in. cal.

Lombardy Poplar

214 8 to 10 ft.
565 1 1/2 to 1 1/2-in. cal.
140 1 1/2 to 2-in. cal.

LOT NO. 9, \$328.00

36 Paul's Scarlet Thorn, 4 to 10 ft.
142 Washington Thorn, 4 to 10 ft.
70 Crugall Thorn, 3 to 6 ft.
91 Coccinea Thorn, 4 to 8 ft.
29 Punctata Thorn, 4 to 8 ft.

LOT NO. 10, \$166.00

18 American Linden, 6 to 10 ft.
22 Ash-leaf Maple, 6 to 12 ft.
115 European Linden, 6 to 10 ft.
68 American Ash, 6 to 12 ft.

LOT NO. 11, \$259.00

188 American Linden, 6 to 12 ft.
74 Liquidambar, 6 to 12 ft.

LOT NO. 12, \$425.00

90 Alnus Glutinosa, 6 to 12 ft.
62 Double White Thorn, 8 to 12 ft.
154 Paul's Scarlet Thorn, 5 to 10 ft.

LOT NO. 13, \$109.00

30 Ash-leaf Maple, 1 1/2 to 5-in. cal.
13 Liriodendron Tulipifera, 6 to 12 ft.
9 Carpinus Betulus, 3 to 6 ft.
26 Myrsin Sylvatica, 2 to 6 ft.

LOT NO. 14, \$410.00

20 Weeping Mt. Ash, 2-yr. heads
22 European Mt. Ash, 1 1/2 to 1 1/2-in. cal.
196 European Mt. Ash, 2 to 2-in. cal.
96 European Mt. Ash, 2 to 2 1/2-in. cal.
27 European Mt. Ash, 2 1/2 to 3-in. cal.

LOT NO. 15, \$90.00

15 European Linden, 8 to 10 ft.
23 European Linden, 1 1/2 to 2-in. cal.
18 European Linden, 2 to 2 1/2-in. cal.
5 European Linden, 2 1/2 to 3-in. cal.

LOT NO. 16, \$240.00

47 Celtis Occidentalis, 6 to 8 ft.
50 Celtis Occidentalis, 8 to 10 ft.
44 Celtis Occidentalis, 1 1/2 to 1 1/2-in. cal.
70 Celtis Occidentalis, 1 1/2 to 2-in. cal.
20 Lombardy Poplar, 2 to 2 1/2-in. cal.

LOT NO. 17, \$261.00

50 Alnus Glutinosa, 8 to 15 ft.
18 Prunus Padus, 1 1/2 to 3-in. cal.
35 Liquidambar, 6 to 10 ft.

LOT NO. 18, \$533.00

203 Crataegus Coccinea, 6 to 12 ft.
205 Crataegus Monogyna, 5 to 10 ft.
265 Crataegus Mollis, 6 to 12 ft.
223 Crataegus Cordata, 8 to 12 ft.

LOT NO. 19, \$699.00

360 Boleana Poplar, 5 to 10 ft.
871 Lombardy Poplar, 1 1/2 to 2-in. cal.
55 Carolina Poplar, 2 to 3-in. cal.

LOT NO. 20, \$767.00

580 Wisconsin Willow, 8 to 15 ft.

369 Nobe Willow, 10 to 18 ft.

LOT NO. 21, \$1175.00

120 Norway Maple, 2 to 2 1/2-in. cal.
124 Norway Maple, 2 1/2 to 3-in. cal.
172 Norway Maple, 3 to 4-in. cal.
35 Norway Maple, 4 to 5-in. cal.
12 Norway Maple, 5 to 6-in. cal.

LOT NO. 22, \$3020.00

430 Norway Maple, 2 to 3-in. cal.
740 Norway Maple, 3 to 4-in. cal.
72 Norway Maple, 4 to 5-in. cal.

STORRS & HARRISON NURSERIES, INC.

Painesville, O.

shipping cartons, to sixty per cent on the base period.

Wholesalers and retailers, in mailing any goods, or expressing or shipping any goods by common carrier, must limit themselves to seventy per cent, instead of eighty per cent, of base period fiber cartons within controlled weights. For other types of delivery, retailers are reduced from sixty-five per cent of controlled cartons to sixty per cent.

RELEASE GARDEN TOOLS.

The War Production Board announced March 23 that it had lifted all preference rating requirements for the purchase of atomizing hand sprayers, hand dusters, wheel-type hand cultivators and hand plows to enable victory gardeners to purchase them easily. At the same time, WPB indicated that any additional materials required by manufacturers to fill demands from qualified purchasers would be made available.

In the same action, contained in a broad amendment to limitation order L-257, manufacturers of tractors will be prohibited, beginning July 1, 1944, from completing in any quarter more than the total number of units shown on their approved production schedules for that quarter of the 12-month

LINING - OUT STOCK

	Per 100
Viburnum Burkwoodi, 1-yr. pots.	\$17.50
Viburnum Lentago, 8 to 12 ins.	5.50
Viburnum Lantana, 12 to 18 ins.	4.50
Viburnum Americanum, 12 to 15 ins.	5.50
Dwarf Forsythia, 12 to 18 ins.	4.50
Lilac Villosa, 18 to 24 ins.	6.00
Juniper grafts	30.00

(from 2 1/2-in. pots, grafted on Juniper stock)

Write for our complete Spring Wholesale Price List.

BURTON'S HILL TOP NURSERIES

Casstown, Ohio

SMALL ORNAMENTALS

	Per 100
Rosa Rugosa, double white, 2-yr., 2 to 2 1/2 ft.	\$ 25.00
Red Jap. Maple, 3-yr., grafted, 15 to 18 ins., bare root.	100.00
Prunus Maritima (Beach Plum). Useful for its ornamental value and also produces fruit which make a fine jelly, (Beach Plum jelly).	
Light, 2 to 3 ft., mail order size.	20.00
Viburnum Dilatatum, mail order size, light, 2 to 3 ft.	17.50

LINING-OUT STOCK

Cotoneaster Praecox, transplants, ready for 4-in. pots, 12 to 15 ins.	20.00
Ilex Opaca (from New England seed), 2-yr., sdgs., 6 to 10 ins.	5.00
Picea Conica Glauca (dwarf Alberti Spruce, grown from cuttings), 3-yr., transplants, 3 to 5 ins.	20.00
Taxus Hatfieldi, 3-yr., transplants, 8 to 12 ins.	25.00
Taxus Hatfieldi, 4-yr., transplants, 12 to 18 ins.	35.00
Viburnum Dentatum, 2-yr., sdgs., 10 to 18 ins.	4.00
Viburnum Dilatatum, 2-yr., sdgs., 15 to 24 ins.	5.00

C. HOOGENDOORN, Turner Road, Newport, R.I.

period starting July 1, plus any approved amounts scheduled but not completed in previous quarters. The establishment of this control was deemed necessary to restrain these manufacturers from telescoping their complete year's production into the early quarters, with a resultant drain on labor and heavy components in the first periods of the forthcoming production year.

Previously, it had been the practice of the WPB to allow tractor manufacturers to schedule their production in accordance with their individual desires or manufacturing practices. This freedom from scheduling supervision created artificial shortages in some materials and components that had been allocated to cover the entire year's production period, WPB said.

Another feature of the amended order will remove certain restrictions on the use of steel in the manufacture of farm machinery and equipment. Primarily, this will result in improved implements. Additionally, it will reduce the demand for lumber, now in short supply, and will decrease the labor hours involved in the fabrication of these products.

BINDER TWINE PRICES.

Continuance through 1944 of the binder twine maximum prices which became effective April 5, 1943, was announced March 24 by the Office of Price Administration.

OPA said it is possible to continue the 1943 price levels because the Defense Supplies Corporation will make the fibers used in producing binder twine available to manufacturers at prices comparable to the cost of fiber in 1943.

Binder twine is normally made from agave fiber (sisal and henequen), but the shortage of this fiber, resulting from the war in the Pacific, has made the use of an "extender" necessary. The 1944 binder twine is being made from a combination of agave and jute fibers.

Jute fiber is not only more expensive than fiber, but is also more costly to process on the machinery used in the manufacture of binder twine. Defense Supplies Corporation, the sole importer of these fibers, is selling them below cost in order to prevent an increase in the price of binder twine.

Farmers are the only users of this twine, and the continuance of the 1943 price schedule through this year will result in a considerable saving to them. OPA expects 184,000,000 pounds of binder twine will be used during 1944 in harvesting agricultural crops.

The price schedule which is being continued (Maximum Price Regulation No. 360-Binder Twine) established prices at all levels of distribution. Dollars-and-cents ceiling prices were set for sales to jobbers and retailers and definite retail markups were supplied for retailers to add to their maximum purchase prices.

TO DEFINE AGRICULTURE.

To end confusion over varying governmental interpretations of what constitutes "agriculture," four members of Congress last month introduced identical bills calling for agriculture to be treated by federal agencies as an integrated whole. Their proposed definition of agriculture would apply unless specific law provides otherwise.

The five sponsors are Acting Chairman Flannagan (Dem., Va.) and Representatives Kleberg (Dem., Tex.), Hope (Rep., Kan.), and Phillips (Rep., Cal.), of the House agriculture committee, and Lea (Dem., Cal.). They said in a statement there are at least fifteen definitions of agriculture resulting from regulations and decisions of the agencies.

These varying definitions of agriculture have caused confusion in the minds of nurserymen as well as other farmers.

The bill would require that administrative orders and regulations follow the definition of agriculture included in the wage-hour law and in the social security law. Under this definition, nurseries are included as farms and employees working in

the nurseries are included in the term agricultural labor.

The American Association of Nurserymen is supporting this legislation. Members of the National Legislative Council are asked to contact their senators and congressmen, urging their support, on state association stationery. Individual members are likewise urged to write their representatives commanding support of the five identical bills, which are numbered from HR-4385 to HR-4389.

HILLCULTURE LABORATORY.

Study of erosion control is regarded as one of the most important jobs of the United States Department of Agriculture because soil erosion already has ruined about 50,000,000 acres of once productive crop land in the United States.

On a 1,700-acre tract on the south side of the Beltsville research center, northeast of Washington, D. C., the Soil Conservation Service is developing new and more effective ways of meeting this problem. The work deals mainly with specialized plants that show promise of both erosion control and new economic uses. An effort is being made to single out those strains and varieties that make the best growth on poor, eroded soils

FRUIT TREES

APPLE $\frac{1}{8}$ -in. $\frac{7}{8}$ -in.
\$40.00 \$30.00
per 100 per 100

Red Delicious 200 100
Jonathan 1000 1000
Steere Red 300 400
Red Delicious, 500,
 $\frac{1}{2}$ -in., \$50.00 per 100

PEACH $\frac{1}{8}$ -in. 2 to 3 ft.
\$30.00 \$25.00
per 100 per 100

Admiral Dewey 100
Banner 50
Belle of Georgia 50
Champion 70 40
Crawford Early 240 150
Crawford Late 200
Cumberland 130 40
Golddrop 130
Golden East 60 40
J. H. Hale 500 500
Kahhaven 100 80
Red Haven 100
Salberta 390
Shippers Late Red 800 70
Wilma 180

CHERRY $\frac{1}{8}$ -in. $\frac{1}{4}$ -in. $\frac{1}{2}$ -in.
\$55.00 \$40.00 \$30.00
per 100 per 100 per 100

Napoleon 300 80 90
Schmidt 30 130
Windsor 90

See our Shrub List in the
March 1 issue.

I. E. ILGENFRITZ' SONS COMPANY
Monroe, Michigan

1887 1944

REFER TO OUR 4-PAGE ADVERTISEMENT IN MARCH 15 ISSUE

for our complete line of
SHRUBS EVERGREENS
FOREST AND SHADE TREES
VINES AND CREEPERS

Or a copy of
Spring Trade List will be
mailed on request.

FOREST NURSERY CO., INC.

J. R. Boyd, Pres. McMinnville, Tenn.

"A friendly, efficient sales service"

E. D. ROBINSON

SALES AGENCY
38 So. Elm St. P. O. Box 285
WALLINGFORD, CONN.

Representing

Adams Nursery, Inc.
Bristol Nurseries, Inc.
Barnes Brothers Nursery Co., Inc.
North-Eastern Forestry Co., Inc.
A. N. Pierson, Inc.

A complete line of well grown hardy plant material
Evergreens and Lining-out Stock



JUNIPER GLAUCA HETZI

A spreading-type evergreen, decidedly blue, rapid in growth, and stands shearing well, making fine heavy stock.

It closely resembles *Pfitzeriana*, but has the advantages of the blue-colored foliage and is somewhat more rapid and denser in growth. It makes up more readily as a staked spreader and is much more easily propagated by cuttings.

In 32 years of full line production and heavy propagation this is the only new evergreen we have really propagated in quantity. We feel that it will be worthy of our customers' confidence and will make a profitable item.

Under date of June 11, 1942, we sent a letter to those having purchased liners suggesting that these be staked to 12 or 15 inches and that it could readily be staked higher for a staked spreader. It does make a fine staked spreader. However, one more year's experience prompts us to tell you that we were somewhat in error, for the plants headed down to 6 inches and kept cut close until they had a good crown developed into better specimens in less time.

Our block of 4 yr. TT material now runs 15 to 30 inches in width, is well filled and mostly 15 to 18 inches in height. The fine blue coloring has been outstanding in this large block, and we feel that the nurseryman who has not stocked it has really missed a good item.

Our supply of propagated liners is now adequate to take care of quantity orders.

POLICY: It is our desire to get this evergreen widely distributed throughout the trade and to serve as a source of lining-out stock for the next few years. We have priced it reasonably and will endeavor to hold this price constant until affected by outside propagation. Not patented.

			Per 100	Per 1000
40,000	1 yr. T	6 to 9 ins.	\$17.50	\$160.00
28,000	2 yr. T	10 to 15 ins.	25.00	230.00
			Per 10	Per 100
B&B		15 to 18 ins.	\$15.00	\$135.00
B&B		18 to 24 ins.	18.00	160.00
B&B		2 to 2½ ft.	22.50	195.00

Write for our general list of liners and B&B materials.

FAIRVIEW EVERGREEN NURSERIES

F. C. HETZ & SONS,
Props.

Fairview, Erie Co., Pa.

and at the same time bring in the best income for the farmer. The bureau of plant industry, soils and agricultural engineering and the Maryland agricultural experiment station cooperate in the work.

This phase of conservation research is called hillculture because it is designed to disclose safe and profitable ways of farming steep lands. The Soil Conservation Service has assembled a large number of trees, shrubs and herbaceous legumes for study. Under observation are trees that produce high-quality wood for furniture, poles and posts; shrubs bearing fruit that can be used for jellies and jams; grasses and legumes that are succulent feed for livestock. Studies are under way on tobacco growing on sloping land, the production of sumac for tanning and the possibilities of native milkweed floss as a substitute for the imported kapok. The hillculture division determines how the plants grow, where they grow best and what kind of treatments are needed.

A nursery is maintained on the same tract. It is used to increase the growth of superior erosion-resistant plants. Many native and exotic species and varieties are under study and propagation.

LINING-OUT STOCK OF TYPICAL B & A QUALITY

All plants are exceptionally well grown

EVERGREENS

			Per 100
<i>Juniperus chinensis pfitzeriana</i>	3-yr.,	10 to 12 ins., C	\$22.00
<i>Pinus thunbergi</i>		2 to 2½ ft., T	20.00
<i>Taxus cuspidata</i>	3-yr.,	6 to 10 ins., T	20.00
<i>Taxus cuspidata capitata</i>	2-yr.,	4 to 6 ins., S	5.00
<i>Taxus intermedia brownii</i>	3-yr.,	9 to 12 ins., T	20.00
<i>Taxus media hicksii</i>	3-yr.,	10 to 12 ins., C	20.00
<i>Taxus repandens</i>	3-yr.,	4 to 6 ins., T	20.00
<i>Thuja occidentalis woodwardii</i>	3-yr.,	8 to 10 ins., C	20.00

ORNAMENTAL SHRUBS and TREES

<i>Crataegus crusgalli</i>	4-yr.,	2 to 3 ft.	18.00
<i>Crataegus oxyacantha</i>	3-yr.,	2 to 3 ft.	15.00
<i>Ginkgo biloba</i>	3-yr.,	2 to 3 ft.	18.00
<i>Magnolia kobus</i>	2-yr.,	2 to 3 ft.	15.00
<i>Photinia villosa</i>	3-yr.,	2 ft.	5.00

BOBBINK' & ATKINS *East Rutherford, New Jersey*

**Azaleas, Evergreen Barberries
Ligustrum Lucidum, Magnolias
Holly, Osmanthus, Viburnum**

OTHER STOCK INCLUDING SPECIMEN AND LINING-OUT

Write for Wholesale Price List

LE MAC NURSERIES, HAMPTON, VA.

OBITUARY

William K. LaBar.

William K. LaBar, founder of LaBars' Rhododendron Nursery, Stroudsburg, Pa., died March 14 at the General hospital at Stroudsburg, at the age of 80. Mr. LaBar, the father of Frank S. LaBar, who is now president of the American Association of Nurserymen, established the present nursery at Stroudsburg in 1917, though he had been engaged in collecting rhododendrons since 1900. He was a prominent leader in civic and industrial affairs in his community.

He was born at Dunnfield, N. J., April 10, 1864, the son of Mr. and Mrs. A. I. LaBar. Mr. LaBar's father was a direct descendant of Peter LaBar, first settler in the Stroudsburgs, who built the first house in the area in 1730. Mr. LaBar attended Stroudsburg schools and completed his education at Pierce Business College, Philadelphia. He was first employed as a hotel clerk and later managed hotels in Virginia, New York and Pennsylvania. At Mount Pocono, Pa., he contributed to the development of the area by building and operating the Mount Pocono Water Co. and the Mount Pocono electric power system; he also built some thirty homes there. He was responsible for the construction of the post office, and he served as postmaster for several years.

He had long been interested in rhododendrons. Around 1900 he had acquired a tract of land in the Poconos on which there were many rhododendrons. In 1906 he purchased land in North Carolina. Upon his return to Stroudsburg in 1916 he considered suitable locations for the establishment of a nursery business, and in 1917 Mr. LaBar selected the present site of LaBars' Rhododendron Nursery.

During World war I, Mr. LaBar ably administered three large German-owned establishments, including a chicory concern on Long Island, a Paterson, N. J., silk firm and a New York concern.

He was for some time president of the Monroe County Agriculture Association, which operated the Stroudsburg fair. He was president of the Stroudsburg Brewery and the Stroudsburg Engine Works for several years, as well as a director of many business concerns in the community. He was a director and also president for some time of the Stroudsburg National bank. He

founded Laurelwood cemetery, which adjoins the nursery.

Mr. LaBar had traveled widely in the United States and had also visited South America and the West Indies. He had been a member of the F. and A. M. since 1889 and had been honored with a 50-year membership pin several years ago. He was also an active member of the Elks and served as chairman of the building committee responsible for the Elks' building at East Stroudsburg. He held a life membership in the order, a rare recognition for exceptional service. He had been affiliated with the Rotary International at one time and was a member of Kiwanis International at the time of his death.

Mr. LaBar had retired from active business, with active operations in the hands of his son, Frank S. LaBar. Memberships in the American Association of Nurserymen and the Pennsylvania Nurserymen's Association were maintained.

Funeral services were held March 16, with interment in Laurelwood cemetery. Besides his son, he is survived by the widow, Mrs. Louise Miller LaBar; a daughter, Mrs. Nelle LaBar Hoagland, Charleston, S. C.; a brother, Charles M. LaBar, Pittsburgh, Pa., and several grandchildren and nieces and nephews.

Charles F. Graham.

Charles F. Graham, proprietor of Graham's Nursery, died at his home at McCulloch's Crossing, Ind., March 10. He was 78 years old. He is

The HOME of

Better New Perennials

"PLANTS THAT PAY THEIR WAY!"

Originators—Disseminators

CORLISS BROS. INC., NURSERIES

305 Reynard St., Gloucester, Mass.

SPECIMEN EVERGREENS

For early Spring shipment in carload lots with Jap. Beetle certificate.

Taxus cuspidata	2 to 3 ft.
Taxus cuspidata capitata	9 to 12 ft.
Taxus media hicksi	1½ to 3 ft.
Taxus nana (brevifolia)	1 to 2 ft.
Thuja occ. pyramidalis	3 to 5 ft.
Juniperus pfitzeriana	1½ to 2 ft.
Juniperus virg. glauca	3 to 4 ft.
Juniperus virg. canaerita	3 to 6 ft.
Pinus mughus	1 to 3 ft.

BULK'S NURSERIES, Babylon, L. I., N. Y.

Stock for Early Shipment

Prices are for truckload or carlot shipments only. No orders will be accepted for box lot shipment.

xxx grade is specimen stock. xx grade is normal nursery row-run stock. Price list of other stock will be sent on request.

BROAD-LEAVED EVERGREENS

<i>Elaeagnus Pungens</i>	xxx	xx
3 to 4 ft.	\$1.50	\$1.00
4 to 5 ft.	2.25	1.50

<i>Euonymus Patens (Sieboldii)</i>	18 to 24 ins.	.40
24 to 30 ins.	.60	.50
30 to 36 ins.	.80	.60

<i>Buxus Crenata Rotundifolia</i>	12 to 15 ins.	.50	.40
15 to 18 ins.	.75	.60	
18 to 24 ins.	1.00	.80	

<i>Ligustrum Lucidum, Griffing type</i>	24 to 30 ins.	.75	.50
30 to 36 ins.	.75	.60	
36 to 42 ins.	1.00	.80	

<i>Magnolia Grandiflora</i>	3 to 4 ft.	1.50	1.25
4 to 5 ft.	2.00	1.50	
5 to 6 ft.	2.50	2.00	
6 to 8 ft.	4.50	4.00	

<i>Nandina Domestica</i>	18 to 24 ins.	.60	.50
24 to 30 ins.	.75	.60	

<i>Pyracantha Lalandi</i>	4 to 5 ft.	1.25	1.00
5 to 6 ft.	1.50	1.25	

CONIFERS

<i>Juniperus Chinensis Pfitzeriana</i>	15 to 18 ins.	.60	.50
18 to 24 ins.	.80	.60	
24 to 30 ins.	1.00	.80	
30 to 36 ins.	1.50	1.25	
36 to 42 ins.	2.00	1.75	
42 to 48 ins.	2.75	2.25	
48 to 5 ft.	3.50	3.00	

<i>Juniperus Chinensis Sylvestris</i>	3 to 4 ft.	1.00	1.00
4 to 5 ft.	2.00	1.50	

<i>Juniperus Communis Hibernica, Irish, compact type</i>	24 to 30 ins.	.60	...
30 to 36 ins.	.75	...	

<i>Juniperus Sabina Von Hohen</i>	2 to 3 ft.	1.00	.80
3 to 4 ft.	2.00	1.50	

<i>Juniperus Virginiana Burkii</i>	6 to 6 ft.	3.50	2.00
6 to 7 ft.	4.50	4.00	

<i>Juniperus Virginiana Dundee</i>	5 to 6 ft.	3.50	2.00
6 to 7 ft.	4.50	4.00	

<i>Juniperus Virginiana Glauca</i>	5 to 6 ft.	3.50	3.00
6 to 7 ft.	4.50	4.00	

<i>Juniperus Virginiana Repandens</i>	30 to 36 ins.	1.25	1.00
3 to 4 ft.	2.00	1.50	

<i>Thuja Orientalis Aurea Nana, Berekman's Dwarf Golden</i>	12 to 15 ins.35
15 to 18 ins.	.60	.50	
18 to 24 ins.	.80	.70	
24 to 30 ins.	1.25	1.00	

<i>Thuja Orientalis Baker's Pyramidal</i>	30 to 36 ins.	.75	.50
30 to 42 ins.	.80	.60	
42 to 48 ins.	1.00	.80	

<i>Thuja Orientalis Bonita</i>	15 to 18 ins.	.60	.50
18 to 24 ins.	.75	.65	

<i>Thuja Orientalis Compacta Sybilli</i>	24 to 30 ins.	...	.50
30 to 36 ins.	...	.60	
36 to 42 ins.	...	.75	

<i>Thuja Orientalis Excelsa</i>	18 to 24 ins.	...	.50
24 to 30 ins.	...	.60	
30 to 36 ins.	1.00	.75	

FLOWERING TREES

<i>Cercis Canadensis, Redbud, bare root.</i>	5 to 6 ft.	.75	.60
6 to 8 ft.	1.25	1.00	

<i>Cornus Florida, White Fl. Dogwood, B&B (bare root 20% less)</i>	3 to 4 ft.	.60	.50
4 to 5 ft.	.75	.60	
5 to 6 ft.	1.00	.85	
6 to 7 ft.	1.50	1.25	

<i>Cornus Florida, White Fl. Dogwood, B&B (bare root 20% less)</i>	3 to 4 ft.	.60	.50
4 to 5 ft.	.75	.60	
5 to 6 ft.	1.00	.85	
6 to 7 ft.	1.50	1.25	

CARTWRIGHT NURSERIES

OFFICES AND DISPLAY GROUNDS

2929 Poplar Avenue, Memphis 11, Tenn.
Phone 4-6446

survived by two sons, William J. and Edward H., both of McCulloch's Crossing; two daughters, five grandchildren, one great-grandchild, a sister and two brothers.

Cornelius Bouma.

Funeral services were held March 13 for Cornelius Bouma, 78, who died March 9, at his home, at Cutlerville, Mich. For the past forty-five years he had been in the nursery business there, since coming to this country from the Netherlands.

Surviving are his widow, Alida; one daughter, Hilda Bouma; a son, Peter, Toledo, O., and a sister, Mrs. D. Pel, Los Angeles, Cal.

Mrs. Sidney H. Whitehorn.

Mrs. Anne D. Whitehorn, wife of Sidney H. Whitehorn, owner of the Sierra Nursery & Seed Co., Fresno, Cal., died February 28 in a Fresno hospital, after an illness of several months. She was 50 years old.

A native of Scotland, Mrs. Whitehorn had resided at Fresno since 1923. She had been employed as a secretary in the editorial department of the Fresno Bee from 1926 until July, 1943, when she became ill. Her husband is well known in the nursery trade, as he is a past president of the San Joaquin Valley Association of Nurserymen and is at present a director of that organization.

Besides her husband, survivors include two brothers and five sisters.

George W. Cottam.

George W. Cottam, former nurseryman and landscape architect at Bronxville, N. Y., died March 9 at Fort Lauderdale, Fla., after an illness of several weeks. He was 70 years old.

Before leaving Bronxville several years ago, he had remodeled the golf course of the Siwanoy Country Club and laid out the grounds for many estates in Westchester county. His property developments included the Park Hill section of Yonkers, N. Y.

Survivors include his widow, Mrs. Daisy E. Cottam, and a son, Lieut. E. George Cottam, of the army air forces, now stationed at Manchester, N. H.

B. J.

William Bryan, Sr.

William Bryan, Sr., florist and landscape gardener, died March 9 at his home in the Elberon section of Long Branch, N. J., following an illness of two months. He was 84 years old.

Born at Dublin, Ireland, Mr. Bryan came to this country as a youth. He

READY TO SHIP

The following listed stock is either in our storage cellars or in the trenching grounds and available for immediate shipment.

ORNAMENTAL TREES

	Per 10	Per 100	Per 10	Per 100
Birch, American White	\$ 6.00	\$ 50.00		
125 5 to 6 ft.			\$ 4.00	
Birch, European White				
130 4 to 5 ft.	4.00	30.00		
125 5 to 6 ft.	6.00	50.00		
45 6 to 8 ft.	9.00	80.00		
Birch, Cutleaf Weeping				
150 6 to 8 ft.	15.00	150.00		
Crab, Hopa				
270 4 to 5 ft.	5.00	40.00		
190 5 to 6 ft.	6.00	50.00		
Maple, Schewderli				
120 6 to 8 ft. br.	18.00	175.00		
Mountain Ash, European				
120 6 to 8 ft.	8.50	80.00		
Prunus, Bileiana				
25 3 to 4 ft.			\$ 4.00	
Prunus, Minnesota Purple				
20 3 to 4 ft.			3.50	
110 4 to 5 ft.			4.00	\$ 35.00
Prunus, Newport				
80 3 to 4 ft.			3.50	30.00
100 5 to 6 ft.			4.00	35.00
Prunus, Triloba				
100 3 to 4 ft.			5.00	45.00
Poplar, Boleana				
160 6 to 8 ft.			8.00	70.00
100 8 to 10 ft.			10.00	90.00

ORNAMENTAL SHRUBS

	Per 10	Per 100	Per 10	Per 100
Barberry, Box (Minor)	\$1.10	\$ 9.00		
240 9 to 22 ins.			\$2.50	\$20.00
500 12 to 15 ins.	1.40	12.00		
360 15 to 18 ins.	1.80	16.00		
Barberry, Korean				
240 15 to 18 ins.	2.00	16.00		
120 18 to 24 ins.	2.50	20.00		
Barberry, Redleaf				
1200 18 to 24 ins.	2.20	18.00		
440 24 to 30 ins.	2.50	22.00		
Barberry, Thunbergi				
600 12 to 18 ins.	1.00	8.00		
750 18 to 24 ins.	1.40	12.00		
Buddleia, strong 1 1/2-in. pot plants				
2000 Charming	1.50	10.00		
1100 Concord	1.50	10.00		
800 Dubonnet	1.60	12.00		
1200 Eleanor	1.50	10.00		
1800 Hazebergi	1.50	10.00		
3000 Ille de France	1.50	10.00		
2000 Lucy	1.50	10.00		
1400 Orchid Beauty	1.50	10.00		
Cephaelanthus, Buttonbush				
270 18 to 24 ins.	1.80	15.00		
440 2 to 3 ft.	2.20	18.00		
Cornus Amomum				
330 3 to 4 ft.	2.20	20.00		
85 4 to 5 ft.	3.00	25.00		
Cotoneaster Acutifolia				
300 3 to 4 ft.	2.20	18.00		
Cotoneaster Divaricata				
120 2 to 3 ft.	4.50	40.00		
170 3 to 4 ft.	6.00	55.00		
Elder, Golden				
450 2 to 3 ft.	1.80	16.00		
300 2 to 3 ft.	2.20	20.00		
400 4 to 5 ft.	3.00	25.00		
Forstertia Ovalis				
900 18 to 24 ins.	1.60	14.00		
1200 2 to 3 ft.	2.00	18.00		
500 3 to 4 ft.	2.50	22.00		
Forstertia Spectabilis				
200 2 to 3 ft.	2.00	18.00		
700 3 to 4 ft.	2.50	22.00		
300 4 to 5 ft.	3.00	25.00		
Honeysuckle, Zabelii				
900 3 to 4 ft.	2.80	25.00		
200 4 to 5 ft.	3.50	30.00		
Lilac, Common Purple				
2000 2 to 3 ft.	2.00	18.00		
1000 3 to 4 ft.	3.00	25.00		
Lilac, Common White				
100 18 to 24 ins.	2.00	18.00		
200 2 to 3 ft.	3.00	25.00		
Lilac, Persian Purple				
1100 2 to 3 ft.			\$2.50	\$20.00
Philadelphia Aurea				
200 12 to 15 ins.			2.50	22.00
100 15 to 18 ins.			3.50	30.00
Philadelphia Coronarius				
200 12 to 18 ins.			1.20	10.00
270 18 to 24 ins.			1.60	14.00
Philadelphia Favorite				
200 12 to 18 ins.			1.50	12.00
250 18 to 24 ins.			2.00	16.00
Philadelphia Grandiflora				
100 18 to 24 ins.			1.40	12.00
280 2 to 3 ft.			1.80	16.00
Philadelphia Lemonell				
600 2 to 3 ft.			1.80	16.00
900 3 to 4 ft.			2.50	20.00
Physocarpus Opulifolia Aurea				
100 3 to 4 ft.			2.50	20.00
240 4 to 5 ft.			3.20	25.00
Physocarpus Opulifolia Nana				
3000 3 to 4 ft.			2.20	18.00
Privet, Regel				
450 18 to 24 ins.			1.60	14.00
600 24 to 30 ins.			2.50	20.00
Ribes Alpinum				
1000 12 to 15 ins.			1.20	10.00
2200 15 to 18 ins.			1.60	14.00
Spiraea Anthony Waterer				
700 3 to 12 ins.			1.20	10.00
Spiraea Billardii				
220 3 to 4 ft.			1.80	15.00
Spiraea, Korean				
500 18 to 24 ins.			1.40	12.00
700 2 to 3 ft.			1.80	15.00
100 3 to 4 ft.			2.20	18.00
Symporicarpos Racemosus				
600 12 to 18 ins.			.80	8.00
600 18 to 24 ins.			1.00	8.00
500 2 to 3 ft.			1.40	12.00
Symporicarpos Vulgaris				
190 12 to 18 ins.			.80	8.00
220 18 to 24 ins.			1.00	8.00
100 2 to 3 ft.			1.40	12.00
Viburnum Dentatum				
500 12 to 18 ins.			1.50	12.00
680 18 to 24 ins.			1.80	15.00
Viburnum Opulus				
250 2 to 3 ft.			2.80	25.00
135 3 to 4 ft.			3.50	30.00

JEWELL NURSERIES, Inc.

LAKE CITY —————— MINNESOTA

COLORADO BLUE SPRUCE

	Per 100	Per 1000
60,000 2-yr., S. (2-0), 1 to 4-in.	\$2.00	\$ 9.00
40,000 3-yr., S. (3-0), 2 to 6-in.	3.00	14.00
100,000 4-yr., T. close (2-2), 3 to 6-in.	5.00	24.00

These trees grown from seed from cones hand-picked from blue trees in Colorado.

All Bed-run. Shipped early in April.
Price of other Spruce, Pine and Fir on request.

ALL MICHIGAN-GROWN

WALTER A. STUDLEY NURSERY, Dept. AN. Fennville, Mich.

had landscaped many of the estates in the Long Branch area.

Surviving are his widow, Mrs. Helen White Bryan; a daughter, Mrs. Gantley Huhn, and a son, William Bryan, Jr. B. J.

CARL A. HANSEN, in the nursery business at Brookings, S. D., opened a flower shop March 11 under the title of Flowers by Hansen, at Main and Second streets, Kalispell, Mont.

This Business of Ours

Reflections on the Progress and Problems of Nurserymen

By Ernest Heming

APPRENTICES NEEDED.

The present shortage of labor brings to mind more acutely than ever the need for more skilled craftsmen. In many trades, machinery and new processes have taken the place of the skilled craftsman and there is not the same necessity as in former times for the apprenticeship system. But in nursery practice the skilled plantsman is as necessary as ever.

Those of us who learned our trade under the apprenticeship system may feel that we paid a high price in hard labor, long hours and small pay to learn how to work, yet we have seldom regretted it and believe that its passing is a decided loss to the nurseryman's craft.

Of course, in these days a bound apprenticeship would be an anachronism, but we should have something that would take its place. There is plenty of good material in the way of boys, better educated than ever. How shall they be taught to be skilled workmen such as are needed in the nursery business?

The agricultural and other colleges turn out executives, and some of the graduates buckle down to work and become efficient in a practical way. But a boy who does not take manual work seriously before he is 21 is seldom as valuable to a nurseryman as one who goes to work as soon as he gets out of grammar school.

It is to be conceived that there will be devised a system of instructive employment, with a pay schedule graded to make an incentive for the beginner at the trade to learn and keep insistently at it.

The nursery and allied trades offer a wonderfully interesting and promising field for boys if they could be attracted to it. A boy who has acquired a familiarity with plants, their propagation and how to grow them has the broadest foundation possible for earning a livelihood. With such a foundation, the lines of advancement for those who are ambitious are numerous and varied.

The nursery trade for its own welfare should plan to draw the boys to it. Perhaps the nursery trade can tie up with the government in its postwar plans for training youth.

RALPH B. LOTT has sold his farm and nursery at Eatontown, N. J., and purchased another farm at Weston, Vt.

CHOICEST EVERGREEN.

The question was raised as to which was the finest and handsomest exotic evergreen tree to plant in this particular locality, the Eastern Shore of Maryland. The nurseryman, as far as trees are concerned, likes to be all things to all men, or according to what he happens to have in stock. Perhaps if he really gave the matter some thought, decided in his own mind what evergreen tree or shrub was best adapted to his particular locality and then specialized on it, as time went on he would at least improve the looks of his neighborhood.

The nurseryman's stock in trade differs from that of most other merchants in that its potential value is much greater than the value at the time he sells it. The choice of tree most freely planted in a particular neighborhood is largely left to chance, the nursery catalogue, garden magazines, personal preference; in fact, almost any reason except the most rational one, namely, what kind of plant will best suit the soil and position and thrive in the locality? There is no better man to work out the answer than the local nurseryman, because it can only be obtained

by experience and years of observation.

In a way, it is his duty to do it, because no one else can decide which is the best tree and then make it available.

To return to the specific question as to which exotic evergreen tree is best suited to this particular locality, to be planted as a solitaire with plenty of room to develop, my choice would be the Nordman fir. From observations of the past twenty years, compared with other evergreen trees, both exotic and native, such as the blue spruce, concolor fir, Himalayan pine, Austrian pine, Deodar cedar, etc., everything considered, I would vote the Nordman fir as noblest of them all.

Irving C. Root, of the National Capital Parks, in addressing the Maryland nurserymen recently, placed the Nordman fir at the head of the list of evergreen trees that had been found the most satisfactory for planting at Washington, D. C. E. H.

IRISH JUNIPER.

The Irish juniper is a narrow columnar variety of the common juniper that may become fifteen to twenty feet in height at maturity. As usually seen in landscape planting, it is much smaller, not often over six to eight feet. This plant is one of our most common narrow-leaved evergreens and still finds ready sale.

The foliage and twig characteristics of the Irish juniper vary to a

EVERGREENS

Complete assortment of all worth-while
Pyramidal and Spreading Evergreens.

HOLTON & HUNKEL CO. NURSERY

P. O. Box 1747 : MILWAUKEE, WISCONSIN
Nurseries at Brown Deer.

HANSEN BUSH CHERRY

One of the fastest selling items for catalogue or agents, especially this year with the shortage of fruit tree stocks. A leading fruit plant and ornamental. We have a splendid lot of the Latest Improved Selections. We can supply many photos, cuts, colored prints, etc.

Size	Grade	Per 100	Per 1000
12 to 18 ins., 2-yr., branched.....	\$10.00	\$ 75.00	
18 to 24 ins., 2-yr., branched.....	12.50	100.00	
2 to 3 ft., 2-yr., branched.....	15.00	125.00	
3 to 4 ft., 2-yr., branched.....	17.50	150.00	
Super Grade, 2 to 3 ft., 3-yr., well branched..	25.00	200.00	
Super Grade, 3 to 4 ft., 3-yr., well branched..	30.00	250.00	

CARL A. HANSEN NURSERY

Brookings,
South Dakota

SHRUBS - ROSES - PEACHES

We offer fine assortment of 2-yr. of well grown, leading varieties of shrubs, all sizes.

Peaches — beautiful, well rooted, 1 $\frac{1}{2}$ and 2 $\frac{1}{2}$ -in.

Hybrid Tea Roses

No. 1 and No. 1 $\frac{1}{2}$

All shades—leading varieties.

Write today for complete list and prices.



**MALONEY BROS.
NURS. CO., INC.**

Danville, New York

EVERGREENS

A complete assortment

Young Thrifty
Well Grown
Transplanted

Write Us

JACKSON & PERKINS COMPANY

Newark, New York

Evergreens

Barberry

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Write for wholesale price list.

GARDNER'S NURSERIES

Rocky Hill, Conn.

BURR

Leading wholesale source for
Nursery Stock.

Send us your Want List.

C. R. BURR & CO., INC.
Manchester, Conn.

PRINCETON NURSERIES

of PRINCETON, N. J.

SUPERIOR

Hardy Ornamentals

NORTHERN COLLECTED EVERGREENS

Hardy, well rooted. *Abies balsamea*, *Thuja occidentalis*, *Tsuga canadensis*.

Priced per 1000. Cash.

3 to 6 ins. \$6.00 9 to 12 ins. \$18.00

6 to 9 ins. 10.00 12 to 18 ins. 25.00

Write for new list.

WILLIAM CROSBY HORSFORD, Charlotte, Vt.

considerable extent in the different forms of the plant grown. In general, the needles are relatively short and radiate rather widely from the twigs. Needle color varies from a grayish-green color to one of dark green. The shape of the plant is narrow columnar, with each branch assuming a nearly vertical position. Even the tips of the twigs are held erect, giving the whole plant a distinctly compact habit. This distinctly compact habit is one of the chief differences between the Irish and the Swedish junipers. The Swedish juniper is looser, with the ends of the twigs tending to droop.

Even though the Irish juniper is adaptable to a wide range of soil types and exposure, it has several faults. Small plants are quite satisfactory. Older and larger plants lose much of the inner foliage, the branches tend to pull apart, especially where subjected to heavy snows and winds, and the plants become loose and open. This is often accompanied with dying of much of the foliage at the base of the plant. This condition can be corrected to some extent by trimming to restrict the length of the branches during the earlier years in the nursery. In large plants, staking and tying in the branches are practices followed.

Recently the juniper webworm has become a serious pest of all the closely compact upright varieties and clones of the common juniper. A recommended control measure for this pest consists of spraying with a mixture of five pounds of dry lime-sulphur and eight pounds of arsenate of lead to 200 gallons of water as soon as the young worms hatch. The insecticide must be applied with high pressure.

Because of its faults, the Irish juniper is considered a second-rate evergreen. However, since it can be sold cheaply and has considerable appeal in its younger stages, it will find ready sale. If it is sold with the understanding that its effectiveness is limited to a few years and the clients feel that they get their money's worth out of it in that length of time, no criticism can be raised.

Propagation of the Irish juniper is by cuttings, and more attention should be paid to the selection of the better types. Its use is limited to situations where a strong accent plant is desired.

L. C. C.

HARRY ENDEAN, of the Endean Nurseries, Ltd., Richmond Hill, Ont., has been on a business trip to British Columbia, visiting a number of nurseries there.

ORDER NOW

and keep up your stock.

You will probably
be busier later.

SEEDLINGS

	100	1000
Abies fraseri, 4 to 6 ins....	\$ 3.00	\$25.00
Picea canadensis, 4 to 6 ins.	3.00	25.00
Picea glauca albertiiana, 3 to 4 ins.....	3.00	25.00
Picea pungens glauca, 6 to 8 ins.....	3.00	25.00
Picea pungens glauca, 8 to 10 ins., tr.....	10.00	90.00
Pinus mughus, 4 to 8 ins...	5.00	40.00
Pinus nigra (austriaca), 8 to 10 ins.....	4.00	35.00
Pseudotsuga douglasii, 6 to 8 ins.....	3.00	25.00

CUTTINGS

From 2 $\frac{1}{4}$ -in. pots.
\$12.00 per 100, 500 or over at
\$10.00 per 100

Ilex crenata bullata.
Juniperus depressa plumosa.
Juniperus horizontalis Bar Harbor.
Juniperus hibernica.
Juniperus excelsa stricta.
Retinospora plumosa aurea.
Retinospora plumosa aurea Gold Dust.
Retinospora plumosa.
Taxus cuspidata.
Taxus cuspidata capitata.
Taxus intermedia.
Taxus media hatfieldi.
Taxus media hicksi.
Taxus media browni.
Taxus Moon's columnaris.
Thuja occidentalis compacta.
Thuja occidentalis globosa.
Thuja occidentalis globosa novum.
Thuja occidentalis pyramidalis.

GRAFTED STOCK

	10	100
Cornus florida rubra	\$3.00	\$27.50
Ilex opaca femina.....	3.00	27.50
Ilex opaca femina Clark.....	3.25	30.00
Ilex opaca femina Farage.....	3.25	30.00
Ilex opaca femina Hookstraw	3.25	30.00
Ilex opaca femina Joyce.....	3.25	30.00
Ilex opaca howardi	3.00	27.50
Ilex opaca mascula	3.00	27.50
Jun. columnaris glauca	3.00	27.50
Jun. columnaris viridis	3.00	27.50
Jun. chinensis sargentii	3.00	27.50
Jun. chinensis sargentii glauca	3.00	27.50
Jun. squamata meyeri	3.00	27.50
Jun. virginiana burki	3.00	27.50
Jun. virg. canaertii	3.00	27.50
Jun. virg. glauca	3.00	27.50
Jun. virg. keteleeri	3.00	27.50
Jun. virg. schottii	3.00	27.50
Jun. virg. pyramidiformis ..	3.00	27.50
Jun. pfitzeriana	3.00	27.50
Thuja occidentalis spiralis ..	2.50	22.50
Thuja occ. elegantissima ..	2.50	22.50
Thuja occ. lutea Peabody ..	2.50	22.50
Thuja orientalis aurea nana..	2.50	22.50
Thuja orientalis elegantissima	2.25	20.00
Thuja orientalis conspicua ..	2.25	20.00

HESS' NURSERIES

Mountain View, N. J.

Mail Order Meetings

The third of this spring's series of fellowship meetings of the National Mail Order Nurserymen's Association was held at the Red Brick Tavern, north of Plainwell, Mich., March 10. Nurserymen in that vicinity were hosts at a delicious dinner of steak and trimmings, presided over by Charles Richards, of Richards Gardens. Over forty members attended, the best turnout this year.

The meeting which followed the dinner was most interesting, the various members explaining their own preferred methods of sending money back for the large percentage of orders which apparently cannot be filled. With pain written all over his usual genial countenance, Robert Ackerman said that he had sent back a check for \$509 and was tempted to tell the customer that Emlong Nurseries were sold out too so that Clifford Emlong wouldn't have to handle the same check next week. Someone suggested that members get up a slip to accompany returned orders reading, "We, the undersigned, are sold out, too."

President H. H. Goldstein read a letter from Vice-president Howard W. Maloney saying how much he enjoyed the preceding meeting at Niles and asking again if there were not some possibility of holding one of the later meetings in the east. A suggestion was made by Vance Beattie and seconded by several others that members in different sections be encouraged to hold their own series of fellowship meetings along the same lines as followed by the parent group in southern Michigan and northern Indiana, rather than attempt to hold an eastern meeting for the entire group. Correspondence is invited in this matter from members in the outlying sections.

"This past year," states Secretary B. W. Keith, "was one of the best the association has experienced since it was started at St. Joseph, Mich., ten years ago by thirteen mail-order nurseries, realizing the great need of an organization that would bring those nurseries issuing catalogues to close understanding and mutual co-operation and would further the cause of the mail-order nursery business.

"From the date of organization, the association has gradually increased in membership and the widening of its horizon, until at present we have seventy-eight members, lo-

cated in thirteen different states. Besides our annual convention, which has so far been held in Chicago, we hold midwinter and spring meetings, beginning in February and extending into May. These meetings are held every two weeks during the busy nursery season. There is always a good meal supplied by the hosts and a congenial good time for all. Interesting timely topics are discussed, such as transportation, packages, stock supplies, postwar programs, etc."

The annual meeting in 1944 is scheduled to be held at the Hotel La Salle, Chicago, August 7 and 8.

Because meeting places are subject to change, the hosts send notices of the semimonthly meetings at this season. The schedule of these meetings for 1944 is as follows:

February 10, Middlebury, Ind. Host: Krider Nurseries, Inc.

February 25, Kalamazoo, Mich. Hosts: R. M. Kellogg Co., Weller Nurseries Co.

March 10, Red Brick Tavern, Plainwell, Mich. Hosts: Burgess Seed & Plant Co., Richards Gardens, Wayland Dahlia Gardens, Hilltop Orchards & Nurseries, Ford Jarvis.

March 24, St. Joseph, Mich. Host: A. B. Morse Co.

April 7, Bridgman, Mich. Hosts: Ackerman Nurseries, O. A. D. Baldwin Nursery, Emlong Nurseries, Krieger's Wholesale Nursery.

April 21, Sawyer, Mich. Hosts: Westhauser Nurseries, South Michigan Nurs-

ery, Dunham's Grand Mere Nurseries, Byrd's Nursery, Keith Plant Nursery.

May 5, Goshen, Ind. Hosts: Kunderd Gladiolus Farms, Judson Wholesale Nurseries, Fox Nursery & Landscape Service, Kindling Nursery.

May 19, Benton Harbor, Mich. Hosts: John M. Elzinga Bulb Farms, Cutler & Downing, A. M. Grootendorst.

MAYWOOD CO. BUYS FARM.

The Maywood Nursery Co., Maywood, Ill., has purchased a farm just south of the city limits of Chicago, on 127th street, east of Ridge-land avenue, in Worth township. The property fronts on two cement highways, 127th street on the south and Highway 83 on the north.

The farm will be principally used for truck gardening while the present emergency exists. A small acreage will be planted in nursery stock this spring.

The Maywood Nursery Co. last year was required to vacate the land on which it had been growing stock for about thirty-five years. Z. C. Smith is president and treasurer of the company, Vernon V. Smith is vice-president and Myron C. Smith secretary.

APPOINT PENNSYLVANIA COMMITTEES FOR 1944.

Announcement has been made of the committees of the Pennsylvania Nurserymen's Association for 1944. The organization is headed by the following officers: President, Louis E. Wissenbach, Pittsburgh; first vice-president, Wilbur I. Nisley, Harris-



1 MILLION AUSTRIAN PINE

3-year, 6 to 12 ins., \$15.00 per 1000

(Above special price to nurserymen only subject to change).

Finest Stock in the Country —We grow 14,000,000 trees a year — Write Today for Complete Stock List and Special Christmas Tree Growers' Guide.

MUSSER FORESTS, INC.

Indiana, Pa.

We Offer —**For Spring 1944**

EVERGREENS—In a large assortment of PYRAMIDAL ARBOR-VITAE, PFITZER JUNIPER and YEW in grades at attractive prices. **SOME LARGE SPECIMEN EVERGREENS, SHRUBBERRY, SHADE TREES, BARBERRY** 3-yr. transplanted, both red and green in California.

CALIFORNIA PRIVET, 2-yr. in grades.

APPLE, 11 to 16 ins. to 1 1/2-inch caliper, 2 and 4-yr. budded trees, good assortment.

Mail want list for prices.

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Adiantum pedatum; *Asplenium acrostichoides*, *affixima* and *platyneuron*; *Dennstaedtia punctilobula*; *Dryopteris clintoniana*, *marginalis*, *noveboracensis* and *spinulosa*; *Osmunda cinnamomea*, *claytoniana* and *regalis*; *Polystichum acrostichoides*; *Pteris nodulosa*; *Woodwardia virginica* and twenty more varieties.

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KALMIA AZALEAS
Hemlocks AND Pieris
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STROUDSBURG PA.

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Growers and Distributors of
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60 acres growing. Skaneateles, N. Y.

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Write for Trade List.
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Hardy Plants.
Hardy Chrysanthemums.
Hardy Herbs.

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Program—Owen B. Schmidt, Narberth, chairman; E. I. Wilde, State College; Edith Stokes Haines, Fort Washington; John P. Erb, Lancaster.

Delegates to the A. A. N. convention at Cincinnati next July are Louis E. Wissenbach, William M. Long, Charles M. Boardman, William S. Carver, Russell Harmon and Albert F. Meehan. Alternates are Conrad J. Albrecht, Walter Stein, B. F. Barr, A. F. W. Vick and W. W. Pitzonka.

TEN acres of tomatoes will be planted this spring, along with a fair amount of ornamentals, at the Indiana Nursery Co., Coal City, Ind., reports J. W. Summerlot.

LEE McCLAIN, of the Washington Heights Nurseries, Knoxville, Tenn., comments that for the first time in his twenty-three years in business he has issued no surplus list at all, because he had nothing to offer. He has a normal supply of fruit trees coming on for next fall delivery, but they too are sold.

RHODODENDRON HYBRIDS.

Grafted, hardy varieties only.

AZALEA KAEMPFERI HYBRIDS.

Named varieties; the hardiest of all Azaleas for landscape work.

KOSTER'S BLUE SPRUCE.

Perfectly shaped; transplanted.

EUROPEAN BEECH.

Fine specimen. Also fastigiata, pendula, Riversi.

LILACS.

The best collection of choice varieties.

FLOWERING JAPANESE CHERRIES. Three outstanding varieties.**CRAB APPLES.**

Young, thrifty plants, selected varieties.

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Grown in standard form.

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TAXUS CUSPIDATA BREVIFOLIA

3,000 3-yr., Transplants, 6 to 10 ins.
\$20.00 per 100; \$190.00 per 1000.

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Sales Agency
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Wholesale Growers of**SMALL FRUIT PLANTS**

Grapes, Currants, Gooseberries,

Raspberries—our specialty.

Limited supply of *Hydrangea P. G.* in 18 to 24-inch and 12 to 18-inch for spring shipment.

FOSTER NURSERY COMPANY, INC.

60 Orchard St., Fredonia, N. Y.

DAPHNE CNEORUM

DIVISIONS for lining out.

\$6.00 per 100; \$50.00 per 1000

Check with order.

EDEN NURSERIES

Eden, N. Y.

PRIVET and BERBERIS

Splendid Stock

Write for Special Quotations

LESTER C. LOVETT

MILFORD DELAWARE

APPLE and PEAR TREES

Nice variety of 5 and 6-yr.

Apple and Pear Trees.

Bearing-age size, 1/2-in. and up, 5 to 8 ft. high.

Well headed and good root system.

EDWARD BACON & SON.

Dansville, N. Y.

Reviews of New Books

SHRUBS OF MICHIGAN.

For the nurseryman or his customer who wants to become better acquainted with the native shrubs in the state of Michigan or adjacent territory, "Shrubs of Michigan" by Cecil Billington, just published by the Cranbrook Institute of Science, Bloomfield Hills, Mich., at \$2.50, is a volume to be commended.

While its 250 pages primarily are devoted to botanical descriptions of shrubs native to Michigan, accompanying features make the book of special value. Of the species of shrubs described, 161 are shown in line drawings as to details of leaves, flowers or fruit. With each important species appears a map of the state, on which are indicated the counties in which the species appears.

The book was prepared for the layman, and for that reason it is written by Cecil Billington, a businessman who has botanized for twenty-one years and gave his extensive herbarium to the Cranbrook Institute. He includes considerable general information, definitions of names, a 10-page pictorial glossary of principal terms and a 6-page glossary of definitions, keys to the genera of Michigan shrubs and a bibliography and full index. The type used in the text is large, and the book is attractively printed and bound.

FARMERS' CYCLOPEDIA.

When the nurseryman is shifting part of his land to vegetables or field crops, when the farmer is turning from less essential to more necessary food crops in wartime and when "city fellers" are trying their hand at farming, they will welcome the ready help to be found in such a volume as "Modern Farmers' Cyclopedic of Agriculture," by Dr. Earley Vernon Wilcox, just published by the Orange Judd Publishing Co., at \$4.50. Its 500 pages contain a compendium of farm science and practices on field, garden, fruit and orchard crops and on the care, feeding and diseases of farm animals.

The new agriculture, according to Dr. Wilcox, results from the improved practices devised by studious farmers or from the scientific investigations of experiment stations, state and federal departments of agriculture, agricultural colleges and special research foundations. While modern techniques are recognized in this book, it is essentially a practical volume of detailed information on the

culture of crops and the raising of livestock. The book is liberally illustrated.

Part I discusses forty-seven types of field crops in 121 pages. As the text occupies two solid columns of type in each page, considerable information appears on each type of crop. Part II covers garden crops, and nearly as many vegetables are treated in forty-four pages. Part III, on fruits and nuts, goes into some subtropical crops, to include about fifty.

Most of the latter half of the book is devoted to beef cattle and dairying, other livestock and poultry. A section is devoted to soils and related subjects, and miscellaneous farm subjects occupy the final section. Living up to its title of modern, this cyclopedia is quite comprehensive in its treatment of agriculture.

AMERICAN ROSE ANNUAL.

The planning and much of the actual editing of the 1944 edition of the American Rose Annual, yearbook of the American Rose Society, were done by the late R. Marion Hatton, secretary of the organization. Mr. Hatton died October 15, 1943, and the work of preparing this edi-

tion was completed by J. Horace McFarland, who edited the previous twenty-eight volumes, and Sara C. Grimm. Mr. Hatton was not only a rose lover, but was also the originator of the hybrid tea Snowbird and the red pillar rose, Flash. Brief tributes to his memory from rosarians in all sections of the country are published in the book.

The twenty-ninth edition of the annual, containing 234 pages and fifteen illustrations, includes many short, readable articles. Own-root, miniature and standard roses, rose breeding, soil management and budding are some of the subjects touched upon. There is a section containing suggestions for rose exhibitors, contributed by six experts. Reports on research include information on work being done at Cornell University, and there is also an article, "Virus Diseases of Roses," by Prof. L. M. Massey, of Cornell. Black spot resistance in roses is the subject of another report. A symposium on the best understocks gives the opinions of various growers.

Experiences of ninety-two members in thirty-eight states with different rose varieties are summarized in the "Proof of the Pudding." The book also contains descriptions of thirty-five new roses, bringing up to

READY FOR IMMEDIATE DELIVERY

5,000 *Taxus*, potted, 2, 3 and 4-yr. 3,000 each, *Taxus Cupidata* and *Tsuga Canadensis*.

5-yr., spaced, frame-grown transplants, heavy root systems, ready for field rows.

75,000 *Taxus* and *Juniper*, R. C., propagated in flats; 1, 2 and 3-yr. Can ship in flats if desired. Stock suitable for potting and bedding.

25,000 *Weigela*, *Eva Rathke*, R. C., for June or as field liners for fall delivery.

We are contract growers. What can we do for you?

Correspondence invited.

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Lining-out Stock

VIBURNUM BURKWOODI

Most striking improvement in flowering shrubs in many years. Fragrant Pink and White flowers in May. Well established plants from 2½-inch pots.

\$25.00 per 100
\$225.00 per 1000

Packed free for cash with order.

Write for illustrated folder and prices on larger sizes.

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Dayton 5, Ohio

We offer excellent Nursery-grown

Rhododendrons Azaleas, Kalmias, Pieris and Hemlocks.

"B" certificate on all shipments.

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Shade Tree Whips . . . a timely finished product saving 2 to 4 yrs. growing effort . . . excellent variety.

A very complete line of
**ORNAMENTAL TREES, SHRUBS
AND EVERGREEN SHRUBS**
including many scarce items.
Send for first 1944 list.

THOMAS B. MEEHAN CO.
Dresher, Pa.

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FRUITS—BERRIES—VINES
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See March 1 issue of
American Nurseryman.

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CHARLES CITY, IOWA

BUR OAK

	Per 100
125 2 to 3 ft.	\$5.00
600 18 to 24 ins.	4.00
400 12 to 18 ins.	3.00
250 6 to 12 ins.	2.00

PIN OAK

125 18 to 24 ins.	\$4.00
125 12 to 18 ins.	2.00
700 6 to 12 ins.	1.50

WINFIELD NURSERIES

Thos. Rogers
Winfield, Kansas

HEMLOCK

Rhododendrons
Kalmia — Azaleas

Write for our list

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Book orders early.

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SMALL FRUIT PLANTS

Evergreens—Shrubs
Lining-out Stock

Send for Complete Trade List
W. N. SCARFF'S SONS
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Old English BOXWOOD

(Wholesale Only)

All slow-grown dense specimens. Red clay soil.
Priced by height and spread. 18x12 ins. to 24x22
ins. in unlimited quantities. Also large specimens
up to 8 ft. Write for price list.

BOXWOOD GARDENS
Mrs. R. P. Reyer High Point, N. C.

ORNAMENTAL SHRUBS SHADE TREES, VINES FOREST TREE SEEDLINGS LINING - OUT STOCK

See our Surplus List in the March 15 issue.
BOYD NURSERY CO., McMinnville, Tenn.

date the society's descriptions of the world's new roses. These additions bring the total number of introductions for twenty-six years to 3,627. The comment is made that the war has checked but not stopped the production of new varieties.

The American Rose Annual goes to paid-up members of the American Rose Society and alone is worth the dues of \$3.50 yearly.

NATIONAL SHADE TREE CONFERENCE PROCEEDINGS.

Because it was found necessary to cancel the nineteenth annual meeting of the National Shade Tree Conference on account of the war, the annual volume of proceedings for 1943, just sent to members, contains officers' reports, a few papers, proceedings of the tenth Western Shade Tree Conference and the text of a bulletin on "Transplanting and Maintenance of Trees and Shrubs in the Northeastern and North Central United States."

The bulletin composes about half of the 160-page volume of proceedings and should make this volume valuable for reference, along with the others in the annual series. The bulletin resulted from a suggestion of Major Breckenridge at the Chicago conference and was prepared, consequently, for the engineer board of the camouflage branch of the United States Army by a joint committee of the National Shade Tree Conference and the National Arborists' Association. The committee consisted of Charles F. Irish, E. W. Higgins, W. S. Speed, Samuel N. Baxter, Dr. Paul E. Tilford and Dr. L. C. Chadwick. It covers the selection of trees for moving, season for transplanting, digging operations in detail, loading and transporting, planting practices and pertinent care. The detail in which these operations are described might well make this bulletin a textbook for young nurserymen who do not have the opportunity to learn these practices alongside skilled veterans of the trade.

In spite of the fact that no conference was held in 1943, the secretary reports the largest membership in the history of the National Shade Tree Conference, totaling 453. Credit for this showing is due to the efforts of the executive committee and the officers, Dr. D. S. Welch, Cornell University, president; Dr. L. C. Chadwick, Ohio State University, secretary-treasurer, and Dr. Paul E. Tilford, Ohio agricultural experiment station, Wooster, editor of the proceedings and of the monthly Arborists' News.

500 AMERICAN HOLLIES

(Berry-bearing type.)

Grafted from selected stock.

Dug with bare roots and packed
in sphagnum moss.

Per 10	Per 100
3 to 4 ft.	\$25.00 \$225.00
4 to 5 ft.	35.00 325.00
5 to 6 ft.	45.00 425.00

PEEKSKILL NURSERY

Peekskill, N. Y.

TRUE DWARF BOXWOOD

Buxus Suffruticosa

Per 10	Per 100
8 to 10 ins. x 5 to 6 ins.	\$4.00 \$32.50
10 to 12 ins. x 6 to 8 ins.	5.00 60.00
12 to 15 ins. x 8 to 10 ins.	11.00 95.00
B & B.	17.50
15 to 18 ins. x 10 to 12 ins.	18 to 21 ins. x 12 to 14 ins.
B & B.	25.00

Grown in clay loam.

EASTERN SHORE NURSERIES, INC.

Easton, Maryland

BUXUS SEMP. WELLERI

(Weller's Hardy Northern Type)
Only Boxwood proved hardy in Northern States for Twenty Years.

Ask for our Perennial catalogue.
WELLER NURSERIES CO., Inc.
Leading Perennials Growers
Holland, Mich.

PACHYSANDRA TERMINALIS

Per 100	Per 1000
1-yr. field-grown	\$3.75 \$27.50
2-yr. field-grown	4.50 35.00
3-yr. field-grown	5.50 45.00
Assorted field-grown	4.50 32.50
2 1/4-in. strong pot-grown. 6.50 55.00	

HUGH B. BARCLAY, NARBERTH, PA.



Wholesale growers of the best
Ornamental Evergreens,
Deciduous Trees,
Shrubs and Roses.

Write for our current trade list.
THE KALLAY BROTHERS CO.
Painesville, Ohio

SEEDLINGS

Orders for seedlings booked now for fall delivery.
Peach Apple
Pear Plum
Cherry Quince

Crop promises to be short, and you who want
seedlings for this winter should book your
order now.

VIRGINIA TREE FARMS : Woodlawn, Va.

8,000 APPLE GRAFTS

In Jonathan, Red and Yellow Delicious, Stayman,
Gano, Black Twig, Rome Beauty, Wealthy, 12,000
pear grafts in Kieffer and Garber, 1,200 1 and
2-year old peach trees, Gage Elberta, Hale Haven,
Shipper's Late, Hale, Golden Jubilee, 2 to 3 ft.
and 3 to 4 ft.

EGYPTIAN NURSERY & ORCHARD CO.
Farina, Ill.

Letters from Readers

ANALYSIS OF PLANT BEHAVIOR.

What creates ideal growing conditions for a certain plant cannot be told only by:

1. Climate (temperature, humidity, etc.)
2. Soil conditions (pH, drainage, clay, sand, minerals, etc.)
3. Exposure
4. Elevation

There is unquestionably something else. It may be in the soil—something which is lost as soon as we start analyzing a soil sample in the laboratory.

Anyone who has been in Chestnut Hill and other suburbs of Philadelphia marvel at the extraordinary fine specimens of purple beech growing there.

Most of us know that the Albermarle Pippin is grown to perfection in the Shenandoah valley. Most of us know that the Indian River citrus fruit of Florida is considered best. The Du Comice pear of Oregon has made an enviable Christmas market for itself. These three instances of an economic fruit which has found favor for itself can be attributed to horticulturists who have tried many varieties of fruit here and there and finally have found the place to grow a particular plant. Our illustrations of instances where this is true can be elaborated on a great deal if there is an economic value to the tree, shrub or cereal.

Finding the best localities in which to grow ornamental plants has, so far, been left more or less to chance. Existing arborets, colleges and nurseries are helping to find the best places for particular plants. This still allows plenty of room for research by the layman, the horticulturist and the landscape architect.

I am not unmindful of the space that the horticultural press has given over a period of many centuries to further the dissemination of knowledge of particular instances where a plant has brought much joy or acclaim to a particular party or locality.

Cotoneasters, which are plentiful enough to take up a whole page in the new "Standardized Plant Names," are much at home in the Philadelphia district. Here in Pittsburgh we can only grow a few well.

Tsuga (hemlock) and abies (firs) do well here in western Pennsylvania. Pinus cembra does especially well in Emlenton, Pa., about fifty miles up the Allegheny river from Pittsburgh. I told a client of mine in East Aurora, N. Y., about this and he had me ship

a barrel of soil to him some years ago in which to grow a *Pinus cembra*.

We know definitely that a certain type of a particular evergreen has been found to do better in one place than another. In other words, the tolerance of this plant under certain conditions is sufficiently developed that it will do better than, say, its first cousin.

In order to grow better plants and advise more accurately what will do best in a given locality, we must know all growth factors. Men with Ph. D. at the end of their names will be needed, and other men and women with just a plain college or high school education but with "dirt on their feet" will help to determine growth factors for individual plant and plant groups.

Some soil experts feel that soil is only needed to support plants. I can't concur in that, for I feel that the most important and determining growth factors are found in the soils themselves.

Stanley W. Leonard.

TREATS CORN FOR BORERS.

I was interested in your article on corn borers. I have been treating seed corn with camphor for seven or eight years, and I seldom have a borer in my corn. I put four quarts of seed corn in a tight paper bag and a square of camphor in the middle of it for three or more weeks, which seems to do a fine job.

N. S. Hayden.

PYRACANTHA LALANDI

Hardy to 30 degrees below zero.

Rooted Cuttings, 4 to 8 ins.	... \$0.07
1-yr. in field, 8 to 12 ins.	.15
2-yr. in field, 12 to 15 ins.	.35
3-yr. in field, 18 ins.	.65

WHOLESALE.

BARDONA NURSERY
Box 24, Bakerstown, Pa.

Truck or Carload Quantities

of the following:

Bloota Aures Nana, 18 to 24 ins.
Jun. Hibiscus, 2½ to 4 ft.
Jun. Hib. Fattigia, 2½ to 4 ft.
Bloota Hoveyi, 15 to 24 ins.
Cornus Florida Rubra, 3 to 6 ft.
Ulmus Pumila, 6 to 16 ft.

Also many other varieties of Evergreens in Landscape and Sales Yard sizes.

FIKE NURSERIES, Hopkinsville, Ky.

TREE SEEDS AND THE WAR.

When the war comes to an end, there will be an opportunity for nurserymen who are favorably located to make extra money collecting tree seeds. Government and state nurseries, the largest consumers of coniferous seeds, will attempt to resume full scale production at once and will be hampered in so doing by a scarcity of seeds. For a year or two, at least, they may be willing to pay good prices for seeds.

Tree seed collecting has always been an uncertain way of making a living, and most collectors have probably quit and gone into something more lucrative in wartime. There is little doubt that few seeds have been collected since the fall of 1942. Now there is a scarcity of common white spruce seeds, and one state nursery is writing everywhere trying to locate some. As long as the war lasts, there will be few seeds collected, and these will be sold at increasingly high prices.

But the war is not the only cause of the seed shortage. Since about 1932 there has been a competitive situation which has discouraged American collectors and has forced them into other ways of making a living. Shortly before 1932 the forestry branch of the Ontario government completed at Angus, Ontario, a seed extractory which is probably the largest in the world designed for coniferous seeds of the kinds used in forest nurseries.

The output of this extractory could

WANTED TO CONTRACT

Apples Cherries

Pears Plums

to be budded this fall
and delivered to us in two years.

If interested, write to—

**STORRS & HARRISON
NURSERIES, INC.**
Painesville, Ohio

Thanks . . .

for the
wonderful business
you have given us.

VERHALEN NURSERY COMPANY

Scottsville, Texas

HOBBS OFFER:

ELM—MOUNTAIN ASH
BIRCH, Cut-leaf Weeping.
WHITE DOGWOOD—GINKGO
NORWAY and SOFT MAPLE
PIN, RED, BUR, WHITE OAK
LOMBARDY POPLAR
SWEET GUM—CRATAEGUS
THURLOW WILLOW—REDBUD
BARBERRY, Green and Red.
BEAUTY BUSH
PRIVET, Amur and Iota.
EVERGREENS, up to 6 feet.

C. M. Hobbs & Sons, Inc.
BRIDGEPORT INDIANA

Oldest and largest Nursery in Indiana.
Established 1875.

Northern-grown Stock

Specimen Evergreens
B&B

Evergreen Liners
Ornamental Shrubs
and Shade Trees

J. V. BAILEY NURSERIES
Dayton's Bluff Station
St. Paul 6, Minn.

JUNIPER SCOPULORUM

From northern Montana,
selected stock.

	Per 1000
12 to 18 ins.	\$80.00
8 to 10 ins.	50.00
6 to 8 ins.	40.00
4 to 6 ins.	30.00
12 to 18 ins., transplants	100.00
8 to 12 ins., transplants	80.00

SUMMIT NURSERIES
Stillwater, Minn.

EVERGREENS

Seedlings and Liners
Hardy Northern-grown
Inquiries solicited
See classified advertisement.

C. WILSON'S NURSERY Pembina, Wis.

LINING-OUT STOCK

American Arborvitae
Mugho Pine, compact type
Colorado Blue Spruce

ANDREWS NURSERY
FARIBAULT, MINN.

We can supply
PINK FLOWERING DOGWOODS
In quantities.
Shall appreciate your want lists.

SOUTHERN
NURSERY & LANDSCAPE CO.
Winchester, Tenn.

not possibly be used by all the Canadian provinces combined. I looked it over about 1936, and the attendant explained everything, even to the great vault door in the cellar, behind which reposed bags of seeds at cold-storage temperatures. Being anxious to see behind the door of that vault, I unhappily could do no more than hint and did not dare to offer \$5 for a look, for was I not a foreign visitor talking to a public official? So I did not see what my chief competitor had in stock and so could not cut prices intelligently, as I had hoped to be able to do.

During normal times, seeds have been exported from Angus, Ontario, into the United States in heavy volume, there being a small tariff of about 9 cents per pound, which does not hinder their sale. In 1932 the output of red pine seeds from this extractory approximated 25,000 pounds, and for several years thereafter the wholesale price was around \$4 per pound, as against \$8 in 1927 and \$16 in 1926 and earlier. White pine seeds wholesaled at \$1.50 per pound recently; in 1927, at \$2.50. Hemlock seeds are \$4.50; in 1929, \$7. Balsam fir has fallen from about \$2.50 to \$1.50 in the same period. White spruce used to bring \$5 in the '20's; ten years later one did well to get \$3. And now there are no white spruce seeds, and the other kinds are rapidly becoming scarce.

All these kinds have been produced in Canada at low cost, with backwoods labor paid by government funds, extracted in a plant which does not have to show a profit, and the result has been to force American collectors to find some other way to make a living. The beneficiaries of the program have been the Canadian cone collectors, scattered over the backwoods of Canada, who otherwise would have only a meager income and might often require government aid. I had collected tree seeds from Maine to Minnesota since 1926, but had practically ceased operations even before the war, as there is no nourishment in prices which average perhaps one-half of their level of twenty years ago.

It is hard to tell where the seeds will come from to supply the state nurseries when they start operations after the war. The Canadian output will depend upon there being a crop, and often there is a period of several years between crops. American collectors will not be anxious unless they are sure of a good price, and that means an advance order from a solvent buyer. State nurseries do not advance orders; some of them want you to sign away your life even to bid on

NORTHERN-GROWN STOCK

Grown in the natural home of the evergreen.

We do not and never have had Red Cedar Blight.

PLATE RIVER RED CEDAR from select pyramidal trees. Per 1000
4 to 6 ins. \$15.00

AMERICAN ARBORVITAE, 2-yr.

6 to 8 ins. 20.00

4 to 6 ins. 12.00

COLORADO BLUE SPRUCE, select,

3-yr. 20.00

4 to 8 ins. 20.00

DOUGLAS FIR, 3-yr.

4 to 6 ins. 15.00

HIGHBUSH CRANBERRY, 2-yr. seedlings.

Per 100 6 to 12 ins. \$1.50

AMERICAN LARCH, T.

3 to 4 ft. 10.00

BALSAM FIR, T.

12 to 15 ins. 8.00

WHITE or CANOE BIRCH,

4 to 5 ft. 6.00

SUGAR MAPLE,

6 to 8 ft. 20.00

OSTRICH PLUME FERNS,

large clumps 6.00

Our usual strict grade and packing.

Terms: 5% discount, cash with order.

No C.O.D. Satisfaction guaranteed.

J. R. PALMER & SON Blackduck, Minn.

EVERGREENS, B&B

JUNIPERS

2000 Pfitzer, 42 to 54 ins. each \$2.00
500 Sabina, 18 to 24 ins. each 1.00
500 Sabina, 24 to 30 ins. each 1.25

COLORADO SPRUCE Medium Blue

250 3 to 3 1/2 ft. each \$2.00

250 3 1/2 to 4 ft. each 2.25

200 4 to 4 1/2 ft. each 2.50

MUGHO PINE

18 to 24 ins. each 1.25

24 to 30 ins. each 1.75

Above are prices at our Nursery. Still we will box and ship at actual cost, providing we can arrange for boxes.

HOME NURSERY CO. Fort Gay, W. Va.

LINING-OUT STOCK

Grown right. Handled right.
Packed right.

All two and mostly three times transplanted.

Each, in Each, in

Juniper Pfitzer, 100 lots 12c 10c
5 to 8 ins. 12c 10c

8 to 12 ins. 16c 14 1/2c

Jun. Pfitz. Aureo Hilli

4 to 6 ins. 10c

5 to 8 ins. 12c

8 to 12 ins. 16c

12 to 15 ins. 18c

AUGUSTINE NURSERIES

NORMAL, ILL.

COLORADO BLUE SPRUCE

50,000 3-yr. seedlings.

4 to 8 ins.

\$12.50 per 1,000.

JOHN ZELENKA

R. No. 2, Box 179, Grand Haven, Mich.

Lining-out Evergreens

Good assortment of standard varieties.

Price list on request.

SCOTCH GROVE NURSERY

SCOTCH GROVE, IOWA

their requirements. However, many states will buy seeds even at a price which seems unreasonably high, provided there is no other lower bidder. And it seems to me that this is the way seeds will be sold for several years after the war.

K. J. Braden.

CENTRAL CALIFORNIA GROUP MEETS AT NILES.

The Central California Nurserymen's Association met on the evening of March 9 at the Florence restaurant, Niles.

The speaker of the evening was Dr. Albert Wilson, Saratoga, Cal., a nurseryman and student of plants and plant growth. His subject was "Ornamentals Producing Edible Fruits." His theme was that the homeowner should have and that the nurseryman should sell plants which, while decorative part of the year because of their blooms or foliage, also have value the rest of the year for the fruit which they produce. Such plants are of interest to the homeowner in peacetime as well as in war and under present conditions are essential for the health and the good spirits of noncombatants. Dr. Wilson gave examples of the possibility of having a succession of bloom throughout the entire summer, under California conditions, by a careful selection of trees and bushes which had decorative blooms and which also produced edible fruits. While this is easy with a variety of kinds of trees, it is possible to grow just one or two favorite fruits, such as peaches or apples, and by a careful selection of varieties have bloom over a long period of the year. For the small property owner it was pointed out the dwarf and espalier fruits would give a rather large selection and not crowd. The talk was illustrated with slides and much comment was forthcoming on the excellent photography.

While the speaker did not stress it, several who heard the talk and who have an eye out for enlarged fields after the war, mentioned the continued income to the nurseryman from such plantings. Trees which produce fruit must be properly pruned, and the home gardener not only does not know how, but as a rule does not have the equipment for such work. The spraying of these trees was mentioned as an important item to the nurseryman and one which would require careful attention to new developments in sprays and a knowledge of what to use and when to apply it. The field opens up

possibilities of almost unlimited service at a profit and a continued income for the nurseryman who follows up on such plantings.

President John McDonnell, who presided, made a report of the special directors' meeting of the California



Charles Burr.

Association of Nurserymen held in Fresno. This meeting was reported in the American Nurseryman for March 15. Lewis Crane, newly selected executive secretary of the state association, was formally introduced. Being known to everyone who attended and popular with the nurserymen in this area, Mr. Crane received a cordial welcome.

The perennial discussion of a uni-

PFITZERS

700

Beautifully finished trees, mostly 2 to 2½ feet. This is exceptionally fine stock that would draw comment anywhere.

Carefully dug. Ideal balling soil.

High Valley Farm and Nursery

Main 2240. Colorado Springs, Colo.

COLORADO SPRUCE

Transplanted, grown wide apart and a very superior article, splendid shape and splendid roots.

6 to 9-inch.....	\$10.00 per 100
9 to 12-inch.....	12.00 per 100
12 to 18-inch.....	15.00 per 100

TREADWELL NURSERY CO.
Great Falls, Mont.

versally observed day for closing the nurseries in the area came up again. A year ago such a day was almost decided on. It is generally agreed that the nurseries should close one day each week if for no other reason than to get caught up on the inside work and to keep stocks in better condition and inventories in better shape. However, since there was no agreement as to which day of the week and since some nurserymen who are not members of the association do not care to close on any day, no agreement was reached last year. As a result, those who wanted to close, on the day most convenient for them and others, did not close at all.

Before closing, cigars were passed by John McDonnell in announcing the birth of a boy at his home. He now has two boys and two girls.

W. B. Balch.

CHARLES BURR.

Most at home in the nursery, Charles Burr has done an excellent job as secretary-treasurer of the Central California Nurserymen's Association, serving his second term, and acts as a director of the California Nurserymen's Association.

Born at Los Angeles in 1906 and attending public schools there, he graduated from the University of California, at Davis, with a major in horticulture. In 1927 he went to work for the California Nursery Co., Niles, Cal., and worked his way up to the position of assistant manager which he now holds. He is married and has two children, Benjamin, 3 years old, and Jane, 6 months, living at Palo Alto.

Though the similarity of name fre-

SPECIMEN AZALEAS

Mollis, salmon to apricot. Azalea Alta-	
clarens, copper to orange. Rhododen-	
drons, Ponticum and Catawblense Hy-	
brids. B. & B.	Per 10
30 to 36 ins.	\$30.00
3 to 4 ft.	40.00
4 to 5 ft.	50.00
5 to 6 ft.	60.00

Add 10 per cent per unit for less than 5 of one variety and size. Packing free. Cash with order.

RICHARD P. RESEL
Nurseryman Mulino, Ore.

Headquarters for . . .

Fruit and Shade trees with vigorous roots and sturdy stems. Flowering trees, Weeping trees. Shrubs, Roses, Small fruits.

Catalogue on request

RICH & SONS NURSERY
Route 4 Hillsboro, Oregon

quently brings the question, he has never met, nor is he related to, the Charles Burr of Manchester, Conn., likewise a prominent nurseryman.

The Central California Nurserymen's Association is the oldest of the several state units, having been organized in 1931. It covers the San Francisco bay area and has done much for its members in establishing grades, stabilizing prices and increasing cooperation between nurseries. It is the smallest in area served, but next to the Southern California group, which serves nearly half of the state, it has the largest paid-up membership and has the best attendance of all at its meetings, which are on the second Thursday of each month.

W. B. B.

PENNSYLVANIA SCHOOL PLANS MEMORIAL GARDEN.

Nurserymen have brushed aside the possible implication of selfish motives and have come out ardently in favor of the establishment of living memorials instead of tabular inscriptions. One of the first schools to fall into line is the David Rittenhouse high school, of Norristown, Pa., which has rounded out a program founded on the planting of a rose garden in memory of those young men, formerly from the school, who have given themselves to the nation's services in the present war.

This rose garden has been carefully thought out, and plans for its establishment and maintenance are being carried forward with enthusiasm by both faculty and students. March 10, a formal launching of the movement took place at an assembly, when Robert Pyle addressed the school and displayed pictures of famous rose gardens.

The garden has been artistically planned for the front of the school building and will be a thing of beauty and a constant memorial. Twenty-two beds have been provided for, the number corresponding to the home rooms or classes. To each of these is assigned the responsibility for planting the rosebushes, caring for the beds and, on occasion, bringing flowers to a rose show which will regularly be held.

It is expected that this will be a suggestion to other schools and individuals and that the idea of living memorials will spread everywhere. The Pennsylvania Nurserymen's Association is backing the thought of living memorials wherever possible.

S. Mendelson Meehan.

PORTLAND WHOLESALE NURSERY CO.

306 S. E. 12th AVENUE Avery H. Steinmetz PORTLAND, OREGON

Quality Stock

CONIFERS AND BROAD-LEAVED EVERGREENS
SHADE AND FLOWERING TREES
FRUIT TREE SEEDLINGS
FRUIT TREES
DECIDUOUS SHRUBS
VINES AND BULBS
PORTLAND ROSES

Deciduous stock is still fairly dormant and Evergreens are in good condition for shipping.
Probably no more Combination Carloads going East this season.

Write for our Catalog

A. MCGILL & SON

FAIRVIEW, OREGON

Wholesale Only

GOOD WESTERN-GROWN NURSERY STOCK

Fruit Tree Seedlings

Flowering Ornamental Trees

Shade Trees

Grown right and packed right.

Combination carloads to Eastern distributing points will save you on freight.

OREGON-GROWN NURSERY STOCK

We have a complete line of shade and flowering trees, both whips and heavier branched stock.

Weeping and Upright Flowering Cherries, Flowering Crabs, Plums and Locusta, Norway, Schwedler, and Wiers Maples, Laburnum vossi—Oaks—Chinese Elm—Mountain Ash—Birch—Hawthorns.

DOTY & DOERNER, INC.
6691 S. W. Capitol Highway
PORTLAND 1, OREGON

NOTICE

Decreased production makes it impossible to book orders for new customers. For the duration the limited supply is reserved for our regular trade.

HOWARD ROSE CO.
Hemet, California

Colorado-Grown CHINESE ELM

Ulmus Pumila, trees and seedlings, all sizes.

SWINK NURSERY
SWINK, COLO.

MILTON NURSERY CO.

A. Miller & Sons, Incorporators

MILTON—Since 1878—OREGON

OUR SPECIALTIES

Birches—Flowering Cherries, Crabs and Plums—Chinese Elm—Hawthorns—Lilacs—Lindens—Flowering and Globe Locusta—Columnar, Globe, Norway and Schwedler Maples—Mountain Ash—Oregon Grape—Oriental Plane—Willows.

SEND US YOUR WANT LIST FOR QUOTATIONS

Combination Carloads to Eastern distributing points at minimum freight cost.

AS ALWAYS—OREGON'S BEST SOURCE of GOOD ROSES

But we are entirely sold out of roses for this season, and we will have a very small crop next year.

PETERSON & DERING, INC.

Wholesale Rose Growers
Scappoose, Oregon

PACIFIC COAST NURSERY

2244 N. Skidmore Court
Portland 11, Oregon

Our seedlings are all sold for this season's delivery, but if you want to be protected for your seedlings for fall of 1944, please send your order now so that we will know just how to make our planting to protect our customers. Prices will be in line with the other seedling growers that are set next July.

We have Norway and Schwedler Maples, European W. Birch, Chinese Elm and Paul's S. Hawthorn. Nice trees in one and two-year-olds, for this winter's delivery. Please let us hear from you.

Your old friend,
John Holmason

CLASSIFIED ADS

Five lines \$1.00.
each additional line, 20 cents.
per insertion.

Let these little liners move
your stock easily and cheaply.

BERRY PLANTS

STRAWBERRY plants, northern selected, state inspected: Catskill, Dunlap, Dorsett, Beaver, Premier, 50, \$1.45; 100, \$2.45; 250, \$4.80; 500, \$9.25; Gem, Mastodon, 50, \$2.50; 100, \$4.00; 250, \$8.75; Latham, Chief, Sodus Raspberry plants, 10, \$1.10; 25, \$2.25; 100, \$6.00. Postpaid.

BRULE VALLEY NURSERIES, Brule, Wis.

SMALL FRUITS

Boysenberry, Tpl. \$75.00
Youngberry, Tips. 40.00

W. N. SCARFF'S SONS
New Carlisle, Ohio

HOME OF NEW EVERBEARING, world's largest strawberries: Streamline and Minn. 1166, 500 plants of each, \$60.00. Limit. See us for catalogue listing 1945. Catalogue free.

OAKHILL NURSERY, New Buffalo, Mich.

CERTIFIED Blakemore Strawberry plants, strong, healthy. Postpaid, 100, \$1.00; 250, \$2.00. Express collect, 500, \$3.50; 1,000, \$6.50.

ROMINES PLANT FARM, Dayton, Tenn.

EVERGREENS—Specimen

EVERGREENS

Large selection of specimen evergreens. Colorado Spruce, 3 ft. up; Mugho, 2 ft. up; Scotch, Austrian, White and Norway Pine and White Spruce all large size at special prices.

Also see our ad in the February issue.

PEQUOT NURSERY
Pequot Lakes, Minnesota

RHODODENDRON HYBRIDS
12 to 15 ins. \$1.50 2½ to 3 ft. \$4.00
15 to 18 ins. 1.75 3 to 4 ft. 5.00
1½ to 2 ft. 2.50 4 to 5 ft. 7.50
2 to 2½ ft. 3.00 5 to 6 ft. 12.50

BAGATELLE NURSERY,
Huntington Station, L. I., N. Y.

SPECIMEN EVERGREENS for Landscape and Store Trade. Special prices on Savin, Irish, Swedish, Chinese, Scopulorum and Pfitzer Junipers. Also Pyramids, and Globe Arborvitae.

Write for price list.

HENRY NURSERIES, Henry, Ill.

AZALEAS

Azalea plants, from 1 to 3 ft. size, grown especially for landscape planting. Varieties: Hinodegiri, Amoena, Ledifolia, Alba, Hinomoya. Write for prices.

ARROWFIELD NURSERIES, R3, Petersburg, Va.

QUALITY HEMLOCKS

Transplanted and sheared, 2½ to 8 ft. Truck load lots. Write for prices, also list of other stock.

SPRINGDALE NURSERY
H. C. Beardsey, Montour Falls, N. Y.

EVERGREENS—Lining-out

NURSERY STOCK

	6 to 8	8 to 12	12 to 18
Priced per 100	Ins.	Ins.	Ins.
Berberis Atropurpurea	\$5.00	\$6.00	\$8.00
Buxus Japonica	7.00	8.00	...
Camellia Sasanqua	12.50	15.00	20.00
Elisagnus Pungens	7.00	9.00	10.00
Fragaria Ananassa	7.00	8.00	10.00
Fraxinus Americana	...	10.00	12.50
Hez C. Biltiana	8.00	10.00	...
C. Microphylla	8.00	10.00	...
Jasminum Floridum	...	8.00	...
Primulina	...	8.00	...
Lauocerasus (Cherry Laurel)	5.00	8.00	...
Ligustrum Coriaceum	7.00	8.00	12.00
Lucidum	...	8.00	10.00
Magnolia Fuscata (Banana Shrub)	8.00	12.50	15.00
Glaucia	...	...	10.00
Mahonia Bealei	8.00	10.00	...
Fortunei	8.00	10.00	15.00
Osmanthus Fragrans (Sweet Olive)	8.00	10.00	12.50
Fragrans Aurea	8.00	10.00	12.50
Juniperus C. Sylvestris	10.00	12.50	15.00
C. Pfitzeriana	10.00	12.50	15.00
Podocarpus Chinensis	6.00	8.00	10.00
Retinospora Ericoides	6.00	8.00	10.00
Saurauja Veitchii	6.00	8.00	...

SEMMES NURSERIES
(Formerly Kiyono Nurseries)

Crichton, Ala.

RED CEDAR (Platte River Type)
1.1, 6 to 12 ins. \$25.00 per 1000.
2.2, 20 to 32 ins. 55.00 per 1000.

J. H. LUTES, Stapleton, Nebraska

TSUGA CANADENSIS	Per 100	Per 1000
2-yr. trans. 4 to 6 ins.	\$5.00	\$40.00
3-yr. trans. 6 to 9 ins.	11.00	100.00
4-yr. trans. 9 to 12 ins.	16.00	150.00
5-yr. trans. 12 to 15 ins.	15.00	150.00
Picea excelsa, 2-yr. seedlings	25.00	25.00
Picea pungens, 3-yr. seedlings	35.00	35.00
Pinus mugo, 3-yr. seedlings	50.00	50.00
Hex crenata, 2-yr. seedlings	25.00	25.00
Taxus cuspidata, Hicksii, batfieldii, rooted cuttings transplanted in open beds. Summer, 1942, well rooted stock, per 10,000 \$900.00, 11.00 100.00	75.00	75.00
VERKADE'S NURSERIES	Wayne, N. J.	

EVERGREEN SEEDLINGS

Inspected Northern-grown. \$1.25 per 100;
\$10.00 per 1000. Cash, 25 at 100 rate; 250 up at
1000 rate.

Am. Arborvitae 3-yr. 3 to 5 ins.

Balsam Fir 3-yr. 4 to 5 ins.

Douglas Fir 3-yr. 3 to 5 ins.

Japanese Pine 3-yr. 10 to 12 ins.

Norway Pine 3-yr. 4 to 8 ins.

Scotch Pine 3-yr. 4 to 8 ins.

Western Yellow Pine 3-yr. 2 to 4 ins.

Colorado Blue Spruce 2-yr. 2 to 4 ins.

Engelmann Spruce 3-yr. 2 to 4 ins.

Norway Spruce 3-yr. 4 to 8 ins.

C. WILSON'S NURSERY,
Pembine, Wisconsin

PERENNIALS

Achillea Filipendulina	Per 100
Parker's variety. Yellow, hardy.	\$ 6.00
Roses	6.00
Ageratum. Yellow, scented.	6.00

Aquilegia (Columbine)	Per 100
Mrs. Scott Elliott's.	8.00

Aster	Per 100
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Subcordatus	8.00
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Carnation Grenadin	8.00
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Red Half High	8.00
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King of the Blacks	8.00
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Tausendschoen	8.00
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Celosia	7.00
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Montana	7.00
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Chelone	7.00
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Barbata Coecinea	7.00
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Torreya	7.00
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Chrysanthemum	7.00
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Maximum Conqueror (Victor)	7.00
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Coreopsis	8.00
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Double Sunburst	8.00
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Mayfield Giant	8.00
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Daisy	10.00
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Diener's Giant Double Shasta	10.00
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G. Marconi	12.00
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Dianthus	8.00
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Spring Beauty	8.00
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Base Cushion Pink	8.00
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Gilia	8.00
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Portola Hybrid	8.00
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Lupinus Polyphyllus	8.00
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Russell Hybrid	8.00
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Lychins	8.00
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Alpina Rose	7.00
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Arkwright	8.00
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Phlox	8.00
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Subulata Rose	8.00
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Subulata Brilliant	8.00
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Subulata Lavender	6.00
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Pyrethrum	8.00
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Jameson Kelway	8.00
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Double Atrovireum	12.00
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Stoloniferum Roseum	6.00
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Veronica	7.00
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Spicata	7.00
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Yucca Filamentosa	7.00
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Prices for spring, 1944, F. O. B. Herbst.	7.00
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Boxing and Packing at cost.	7.00
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J. J. NIGARD & SON'S NURSERY	7.00
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Herbster, Wisconsin

WOW! WHAT MUMS!

These NEW SUMMER FLOWERING VARIETIES
Flowers—early August to frost.

Large perfectly formed double blooms

Excellent for cutting and corsages

Very hardy—easy to grow—clean

ROOTED CUTTINGS

Per 12 Per 100

Dean Kay Improved	Plink.	\$2.50	\$15.00
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Dene Ladd	Bronze	2.50	15.00
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My Lady	Orange-yellow	2.50	15.00
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Welcome	Mallow-purple	2.50	15.00
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Harmony	New, yellow-pink	3.50	20.00
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Walterly	New, semidouble, white	3.50	20.00
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Clean, strong rooted cuttings. No orders accepted for less than 12 of one kind.	...
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CORLISS BROS., INC.	...
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301 Reynard Street, Gloucester, Mass.

HARDY CUSHION MUMS.

Place your order now. Red, white, pink, yellow, bronze. Little Bob and Santa Claus, \$4.00 per 100. \$35.00 per 1000. Delivery from April 1 on.

Send for complete catalogue.

WONDERLAND NURSERIES, Ellerson, Va.

HARDY FIELD-GROWN PLANTS

1-yr., \$2.50 per 100

2-yr., transplanted, \$4.00 per 100

Trade List Free.

NOVOTNY GARDENS, Osage, Iowa.

Peonies: Tree and Herbaceous, best varieties.

Oberlin Peony Gardens, Sinking Spring, Pa.
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LINING-OUT STOCK

LINING-OUT STOCK	Per 100
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500 Ret. Plumbosa, c.t., 8 to 12 ins.	\$ 8.00
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1000 Ret. Pl. Aures, c.t., 8 to 10 ins.	8.00
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3000 Ret. Pl. Aures, r.c.	4.00
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500 Ret. Filifera, c.t., 6 to 9 ins.	7.00
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600 Ret. Fil. Aures, c.t., 9 to 13 ins.	11.00
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400 Taxus Cupressoides, spr., 4 to 6 ins.	6.00
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1200 Taxus Cusp., upright, 4 to 6 ins.	6.00
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2000 Taxus Cusp., upright, 6 to 9 ins.	7.50
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300 Jun. C.anaer., c.t., 5 to 8 ins.	7.50
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400 Jun. C.anaer., g.t., 10 to 15 ins.	24.00
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500 Jun. C.anaer., g.t., 10 to 12 ins.	24.00
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250 Jun. C.anaer., g.t., 10 to 15 ins.	24.00
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400 Jun. C.anaer., g.t., 10 to 15 ins.	24.00
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500 Thuja Nana Aures, g.t., 8 to 12 ins.	21.00
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200 Dogwood, blle. wh., g.t., 10 to 18 ins.	26.00
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150 Dogwood, pink, g.t., 10 to 18 ins.	26.00
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BROUWER'S NURSERIES.	Ask for list.
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Box 25, New London, Conn.

LINING-OUT STOCK

Douglas Fir, 3-yr., 8 to 8 ins., \$10.00.

Douglas Fir, 3-yr., 6 to 12 ins., \$15.00.
--

White Fir (green color), 3-yr., 6 to 12 ins., \$15.00.
--

Balsam Fir, 3-yr., 6 to 10 ins., heavy stock, \$25.00.
--

Blue Spruce (selected seeds), 3-yr., 8 ins., \$15.00.

Norway Red Pine, 10 to 12 ins., \$18.00.
--

Scotch Pine, 2-yr., 4 to 8 ins., \$18.00.

Norway Red Pine, 4-yr., trans., 8 to 15 ins., \$28.50.
--

Scotch Pine, 4-yr., trans., 8 to 14 ins., \$30.00.
--

All prices per 1000.

Quantity orders collected. Well packed, no charge for cash with order.
--

This is all first-class material.

SUNCREST EVERGREEN NURSERIES, Johnstown, Pa.
--

...

LINING-OUT STOCK.
All from 2 1/4-in. pots.

	Per 100
Abelia Grandiflora	\$ 6.00
Aucuba Japonica, 4 to 6 ins.	10.00
Aucuba Japonica, 6 to 8 ins.	12.50
Aucuba Japonica, 8 to 12 ins.	17.50
Azalea Indica, Kaempferi, Kurume	8.00
Berberis Atropurpurea	7.50
Berberis Prunifolia	6 to 8 ins.
Berberis Prunifolia	9.00
Berberis Prunifolia	8 to 12 ins.
Berberis Prunifolia	12 to 15 ins.
Buxus Serrifolia, rooted cuttings	5.00
Cinnamomum Camphora	6.00
Cleyera Ochnacea, 6 to 8 ins.	10.00
Cotoneaster Horizontalis, 12 to 18 ins.	10.00
Drimys Winteri, Reflexa (heavy)	8.00
Euonymus Patera, 4 to 6 ins.	8.00
Eurya Emarginata, 6 to 8 ins.	10.00
Eurya Emarginata, 8 to 12 ins.	12.50
Eurya Ochnacea	10.00
Ilex, Crenata Major and Crenata	8.00
Ilex 6 to 8 ins.	10.00
Ilex 8 to 12 ins.	12.50
Ilex Glabra	9.00
Laurocerasus Officinalis	10.00
Laurus Nobilis (S.)	10.00
Michelia Fuscata, 4 to 6 ins.	17.50
Nerium (Oleander)	10.00
Pittosporum Tobira, 4 to 6 ins.	8.00
8 to 8 ins.	12.50
8 to 12 ins.	15.00
Pittosporum Tobira Variegata	8.00
Pyracantha: Gibba, yellow; Kansuensis, Lalandii, Rogersiana	8.00
Rhamnus Officinalis, 8 to 12 ins.	8.00
12 to 15 ins.	12.50
Thes Simeonis, 6 to 8 ins.	6.00
8 to 12 ins.	10.00
Viburnum Japonicum, 6 to 8 ins.	8.00
8 to 12 ins.	12.50
Viburnum Odoratissimum, 6 to 8 ins.	8.00
8 to 12 ins.	10.00
Viburnum Suspensum	8.00
Viburnum Tinus, 6 to 8 ins.	8.00
8 to 12 ins.	12.50
Jasminum, Nudiflorum, Humile, Stephanense 6.00	
Kadsura Japonica	12.50
Hedera Helix	10.00

FRUITLAND NURSERIES,
Augusta, Ga.

SWEGINZOWI ALBIDA, the new hybrid lilac species. Large trusses with beautiful pearl-pink blossoms, produced in great abundance. Per 100
From 3-in. pots..... \$10.00
1 1/2 to 2 ft., 1.0..... 15.00
2 to 3 ft., 1.0..... 20.00
THE COTTAGE GARDENS, Lansing 15, Mich.

FOR CHOICE LINING-OUT STOCK,
see our advertisement on page 39
of the March 15 issue, or ask for list.
WESTBURY ROSE CO., Inc.
Westbury, L. I., N. Y.

NOW BOOKING ORDERS: Lining-out Honey-suckle, Hall's Japanese and Scarlet Trumpet Semipervious Red and Black chokeberries. Write for prices. Will figure with you on your want list.
MORTON BROS., R. I., McMinnville, Tenn.

SHRUBS and TREES

	Per 1000
PIN OAKS	
3,000 9 to 12 ins.	\$ 25.00
4,000 12 to 18 ins.	35.00
5,000 18 to 24 ins.	50.00
2,000 2 to 3 ft.	70.00
1,000 3 to 4 ft.	120.00
	Per 100
200 6 to 8 ft.	\$100.00
200 8 to 10 ft.	150.00
BUR OAKS	Per 1000
2,000 9 to 12 ins.	\$20.00
100 6 to 8 ft.	\$1.50
100 8 to 10 ft.	1.75

LEAVENWORTH NURSERIES,
Leavenworth, Kansas

CHINESE ELM, 400 to 8 ft., \$45.00 per 100, 400 to 8 ft., \$55.00. Lombardy Poplar, 400 to 10 ft., \$40.00; 400 to 12 ft., \$55.00; 500 1 1/2 to 2-in., \$80.00; 500 to 2 1/2-in., \$110.00; 500 2 1/2 to 3-in., \$155.00. Scarlet Maple, 300 1 1/2 to 2-in., \$250.00; 300 2 to 2 1/2-in., \$275.00. American Ash, 6 to 10 ft., \$40.00; 500 1 1/2 to 2-in., \$75.00; 500 2 to 2 1/2-in., \$100.00. 300 Redbud, 5 to 6 ft., 65c; 6 to 8 ft., 90c.

5,000 Amur River N. Privet, 18 to 24 ins., 2 to 3 ft., 3 to 4 ft., 7c, 10c, 15c, 100 bearing-size Moorpark Apricots 1 1/4-in., 1 1/2-in., 2-in., \$1.35, \$1.50, \$2.00.

EGYPTIAN NURSERY & ORCHARD CO.,
Farina, Ill.

SURPLUS FINISHED LANDSCAPE STOCK at real bargain prices. Send us your want list. Forsythia, 3 to 4 ft., 18c; Regel Ligustrum, 2 to 3 ft., 15c; Bush Honeysuckle, 3 to 4 ft., 18c; Wisconsin Willow, 5 to 6 ft., 20c. Many others. O. E. Goetz Nursery, R. 6, Sappington, Mo.

25,000 Sycamore Trees, also, Shrubs, 100,000 8-in. cuttings, 10,000 lbs. Kentucky Coffee Beans, per lb., 25c; Osage Orange, 70c; Sycamore Platinus, 40c; Allanthus, 50c; Regels and Amur River North Privet, 70c; Catalpa, 60c.

SCHROEDER NURSERY CO., Granite City, Ill.

MAGNOLIA GLAUCA (Sweet Bay), our best liners; 12 to 18 ins., \$5.00 per 100; 2 to 3 ft., \$10.00; 3 to 4 ft., \$20.00.

MRS. CHARLIE ROBINSON, Greenville, Ga.

LILAC

Our collection contains 90 per cent of the list published by the Association of Botanical Gardens as "the very finest." 1-yr.-old \$0.25 1 1/4 to 2 ft. 60 2 to 3 ft. 75 3 to 4 ft. 1.25 4 to 5 ft. 2.00 (Bushy plants.)

BAGATELLE NURSERY,
Huntington Station, L. I., N. Y.

Privets, Amur River, 36 to 45 ins. \$1.00 Privets, Amur River, 48 to 60 ins. 30.00 All bare-rooted, heavy plants.

Hypericum, evergreen, B&B, 15 to 18 ins.70 Hypericum, evergreen, B&B, 18 to 24 ins.80 Hypericum, evergreen, B&B, 24 to 30 ins. 1.00

Antigonon leptopus bulb., 1-yr., 10c each; 2-yr., 15c each.

Write for Price List.

NEW BRAUNFELS NURS. & FL. CO., INC.
P. O. Box 418 New Braunfels, Tex.

CARYOPTERIS "SAGE ORCHID"
(Caryopteris mongolensis)

Hardy dwarf species with attractive powder-blue flowers in late summer.

Strong 3-yr. stock for immediate shipment.
\$4.00 per 10; \$35.00 per 100.
Cash with order; packing free.

KROH BROTHERS NURSERIES
Loveland, Colorado

VIBURNUM TOMENTOSUM, Per 10 Per 100
2 to 3 ft. \$2.25 \$20.00

VIBURNUM TOMENTOSUM, 3 to 4 ft. 3.50 30.00

VIBURNUM TOMENTOSUM, 4 to 5 ft. 5.00 45.00

Send us your Want List for quotations on other shrubs, shade trees, evergreens, and fruits.

WAYNESBORO NURSERIES, INC.
Waynesboro, Va.

SHRUBS AND TREES

LOMBARDY POPLAR, Per 10 Per 100

8 to 10 ft. \$4.00 \$35.00

10 to 12 ft. 6.50 55.00

PFITZNER JUNIPER, Each Per 10

24 to 24-in. spread \$1.65 \$15.00

24 to 30-in. spread 2.15 20.00

Terms—Cash, No C. O. D.

3336 Tesson Ferry Rd., Afton, 23, Mo.

IN GROUND, CHEAP—Berberis Julianae, 2 to 5 ft.; Catalpa, 8 to 10 ft., 2-in. cal.; Citrus Triifolia, 5 ft. trimmed; Cornus Florida, 10 to 12 ft.; 1 1/2-in. cal.; Enkianthus, 3 to 6 ft.; Ilex Crenata, 2 to 5 ft. trimmed; Magnolia Glauca, 2 to 5 ft.; Magnolia Parviflora, 3 to 6 ft.; Magnolia Tripetala, 6 to 8 ft.; Platanus Orientalis, 12 to 15 ft.; 1 1/2-in. cal.; Pyracantha Coccinea, 18 to 24 ins.; Stewartia Pentaphylla, 8 to 10 ft.

UPPER BANK NURSERIES, Media, Pa.

CORNUS FLORIDA RUBRA, Pink-flowering dogwood. Good, strong, stocky trees. Heavy graded

wood. 100 1000

12 to 15 ins. \$2.00 \$35.00

15 to 18 ins. 50.00 45.00

18 to 24 ins. 60.00 55.00

HOGANSVILLE NURSERIES, Hogansville, Ga.

LOMBARDY POPLAR, 6 to 8 ft., \$4.50 per 10,

\$40.00 per 100; 8 to 10 ft., \$6.00 per 10, \$55.00 per 100; 10 to 12 ft., \$7.50 per 10, \$70.00 per 100.

Send us your Want List for quotations on other shade stock, shrubs, evergreens and fruits.

WAYNESBORO NURSERIES, INC.
Waynesboro, Va.

SHADE TREES AND EVERGREENS. Norway

Maple, 1% to 6 ins.; Schiedelri Maple, 1% to 3

ins.; American and Chinese Elm, 1 1/4 to 4 ins.; Juniper Pfitzneriana (specimens), 6 to 8 ft. spd.

Excellent roots.

SAMUEL I. LEH, 324 N. 13th St., Allentown, Pa.

CORNUS FLORIDA RUBRA, 3 to 4 ft., NB, \$12.50 per 10, \$110.00 per 100; 4 to 5 ft., \$10.50 per 10, \$150.00 per 100; 5 to 6 ft., \$18.50 per 10, \$175.00 per 100.

WAYNESBORO NURSERIES, INC.,
Waynesboro, Va.

SWEET GUM TREE

Liquidambar Styraciflua — beautiful for your lawn.

Straight, nice trees, 2 to 3 ft., \$15.00 per per 100; 200, \$25.00.

MRS. CHARLIE ROBINSON, Greenville, Ga.

CHIONANTHUS VIRGINICUS (White Fringe).

3 to 4 ft., \$3.00 per 10, \$25.00 per 100; 4 to 5 ft., \$4.25 per 10, \$37.50 per 100.

WAYNESBORO NURSERIES, INC.,
Waynesboro, Va.

NATIVE CRAB APPLE, have fragrant pink

blossoms; 2 to 3 ft., \$10.00 per 100; 3 to 4 ft.,

\$15.00 per 100.

MRS. CHARLIE ROBINSON, Greenville, Ga.

SALES YARD SPECIAL

Chinese Elm Trees, 100 to 6 ft., \$11.00; 100

6 to 8 ft., \$15.00. Baling free.

SWINK NURSERY CO., Swink, Colo.

WHITE-FLOWERING DOGWOOD (Cornus Florida), new, straight trees, 2 to 3 ft., \$10.00

per 100; 4 to 4 ft., \$15.00 per 100.

MRS. CHARLIE ROBINSON, Greenville, Ga.

AMERICAN ELM, 300 2 1/2 to 5-in. caliper, \$150.00. Dig them yourself.

EVERGREEN NURSERIES, Lowell, Ind.

LILAC

SPECIMEN SURPLUS STOCK—American and Chinese Elm, Hackberry, Mountain Ash, Virginia, Pfitzer and Savin Juniper, Amur River North Privet. Write for size and price.

MERTEL NURSERY, Peru, Ill.

NATIVE AZALEAS, white and pink; heavy, straight; 2 to 3 ft., \$10.00 per 100; 3 to 4 ft., \$20.00 per 100.

MRS. CHARLIE ROBINSON, Greenville, Ga.

VEGETABLE ROOTS

ASPARAGUS CROWNS, 1 and 2-yr. old Mary and Martha Washington varieties. Horse Radish cuttings. Seed Sweet Potatoes.

Write for wholesale prices.
GEO. R. PEDRICK & SONS
Pedricktown, N. J.

VINES

VINE SPECIAL

Ampelopsis Engelmanni Per 10 Per 100

2-yr., No. 1 \$1.50 \$14.00

2-yr., Medium 1.20 10.00

Veitchi, 3-in. pot 1.80 15.00

2 1/2-in. pot 1.00 8.00

Clematis (Large-flowering)

4-in. pot 3.20 30.00

2 1/2-in. pot 1.80 16.00

Varieties: Baron Veillard, Gypsey Queen, Henry, Jackmani, Mme. Andre, Ramon, Ville de Lyon.

Honeysuckle Heckrottii, 2-yr. No. 1. \$2.20 \$20.00

2 1/2-in. Medium 1.80 16.00

1-yr. No. 1 1.40 12.00

2 1/2-in. pot 1.00 8.00

Tellmanniana 2-yr. No. 1. 2.50 22.00

1-yr. No. 1 1.80 15.00

2 1/2-in. pot 1.20 10.00

Silver Lace Vine, 2 1/2-in. pot 1.20 10.00

4-in. pot 2.00 18.00

JEWELL NURSERIES, Inc., Lake City, Minn.

ORNAMENTAL VINES

Euonymus Coloratus Per 1000

1-yr., 6 to 12 ins., tlp. \$4.00

2-yr., No. 1 7.50

3-yr., No. 1 15.00

Euonymus Carrierei

1-yr., 6 to 10 ins., tlp. 5.00

2-yr., No. 1 12.50

Hall's Honeysuckle

2-yr., Med. 8.00

W. N. SCARFF'S SONS New Carlisle, Ohio

Hall's Honeysuckle (Lonicera Halliana). Strong, 2-yr., field-grown, three and four 18 to 20-in. leads, best root system. Select plants, \$3.00 per 100; 2000, \$30.00. Can load your truck on notice with experienced labor.

MRS. CHARLIE ROBINSON, Greenville, Ga.

WISTERIA. Purple, 3-yr., No. 1. Layers from blooming wood. \$5.00 per 100; 3-yr., extra heavy, \$2.00 per 10.

SHOAF'S PLANT FARM, R. 3, Lexington, N. C.

WANTED

WANTED—5-N-1 2-yr., 11/16 and 9/16 Apple, Peach, Plum; 3-year Blueberries; 2-yr. Dwarf

Apple and Pear; 1 or 2-yr Apricot and Nectaries; 2-yr., 11/16 and 9/16 Plum; Latham, Newburgh, Taylor Raspberries; Amur River Privet.

MALONEY BROS. NURSERY CO., INC. Danville, N. Y.

WANTED—NANDINAS

Want to buy 2,000 to 4,000

Nandina seedlings, run of bed.

FOREST CITY NURSERY, Forest City, N. C.

WANTED

Lining-out grade

Animals, Trifoliate Paw Paw.

ALANWOOD NURSERY, Neshaminy, Bucks Co., Pa.

WANTED. Evergreen seedlings, also 1, 2 and 3

times transplanted. Amur River privet, ilies,

bench roses, hardy plants, bleeding hearts.

Address No. 305, care of American Nurseryman,

343 S. Dearborn St., Chicago 4, Ill.

SUPPLIES

PINE FLATS

Size 18 x 12 x 3 14c

20 x 12 x 3 15c

20 x 12 x 4 15c

Tomato Boxes, 9 x 6 x 3 5c

A. J. CAMERON, Spring St., Farmington, N. H.

BONDED VIBRATING SCREENS are used to

prepare the soil and for almost any type of screen-

ing. Also some used motor truck scales and

warehouse scales.

BONDED SCALE CO., 120 Bellview Ave., Columbus 7, Ohio.

GIBRALTAR Frost Covers pay for themselves.

Most economical, long lasting, also ideal for wind-

breaks. 6 ft. wide, price 50 ft., \$13.75; 100 ft.,

\$26.00; 150 ft., \$39.00. NEW AMSTERDAM CO.,

122 Chambers St., New York 7, N. Y.

COTTONETTE Squares are best for baling. Saves

time and twine. All sizes in stock. Write for

prices. NEW AMSTERDAM CO., 122 Chambers St., New York 7, N. Y.

BOOKS

EVERGREENS, Shrubs and Your Lawn

Luther Creasy, Dept. N, Catawissa, Pa.

SEEING IS BELIEVING

If you need any proof about the ability of the American Nurseryman to bring you orders through its advertising columns, look over the advertisements in this or any current issue. Note that advertisers who used small space or only a card last season are now using large space to present a list of seasonable stock.

THE BEST TESTIMONIAL

The best evidence of the pulling power of an advertising medium is the roster of its advertisers. When you find the old advertisers still present and using more space than before, you can be sure they are satisfied with the returns.

New advertisers appear, too, and we expect they will stay. Through adding new subscribers constantly and improving the editorial contents, we are doing our best to make it worth their while.

If you have wholesale quantities of nursery stock to offer, here is the medium by which you can make sales easily, cheaply and quickly.

Forms for the April 15 issue will be open until April 10.

AMERICAN NURSERYMAN

343 S. Dearborn St.
CHICAGO 4, ILL.

CATALOGUES RECEIVED.

Corliss Bros., Inc., Gloucester, Mass.—Retail catalogue of nursery stock, hardy perennials and garden supplies, 64 pages and cover, 4x9 inches.

Herbst Bros., New York 7, N. Y.—Wholesale price list of tree, shrub, flower and grass seeds, 28 pages, 4x9 inches.

Kenneth McDonald & Sons, Ltd., Ottawa, Canada—Retail catalogue of bulbs, flower and vegetable seeds and plants, well illustrated throughout, 116 pages and cover, 7 1/2 x 9 1/4 inches.

Jackson & Perkins Co., Newark, N. Y.—Trade price list of ornamental and shade trees, evergreens, shrubs and hardy perennials, 28 pages, 6x8 inches.

Richards' Gardens, Fort Collins, Colo.—Retail price list of trees, shrubs, perennials, 16 sheets 8 1/2 x 14 inches which a double fold converts into a convenient mailing piece.

Kallay Bros. Co., Painesville, O.—Wholesale trade list of evergreens, deciduous trees and shrubs, small fruits, peonies and hardy perennials, 72 pages and cover, 4x8 inches.

Rhode Island Nurseries, Newport, R. I.—Wholesale price list of lining-out and specimen stock, 28 pages and cover, 4x8 1/2 inches.

Heard's Landscape Nurseries, Des Moines 11, Ia.—Retail list of ornamental flowering crab apples and lilacs, one sheet folded to mailing-piece size of 4 1/2 x 10 inches.

Bobbink & Atkins, East Rutherford, N. J.—Retail catalogue of roses, hardy perennials, low evergreen and flowering shrubs, flowering trees and small fruits, profusely illustrated in color, 48 pages, 9x12 inches.

Earl Ferris Nursery, Hampton, Ia.—Retail catalogue of trees, shrubs, fruits and flowers, extremely well illustrated in color on lightweight paper. 52 pages, 10 1/4 x 13 1/2 inches. Includes planting guide for perennials.

Cottage Gardens, Lansing 15, Mich.—Wholesale list of shade trees, flowering trees and shrubs, finished and lining-out grades of lilacs and evergreens, 4-page folder, 9x11 1/2 inches.

Kimberly Nurseries, Kimberly, Ida.—Retail catalogue of evergreens, shade and ornamental trees, fruit trees, small fruits, shrubs, hardy perennial plants and roses, 24 pages, 5 1/2 x 8 3/4 inches.

Van Tol Nurseries, Teaticket, Mass.—Wholesale list of deciduous lining-out stock, evergreen seedlings and rooted cuttings, potted ivy, holly and delphinium, 4-page folder, 5 1/2 x 8 1/2 inches.

Oak Hill Nursery, New Buffalo, Mich.—Retail catalogue of fruit trees, small fruits, shrubs and seeds, including many novelties, well illustrated, 24 pages, 7x10 inches.

Forest Nursery Co., McMinnville, Tenn.—Wholesale price list of finished and lining-out stock in hardy flowering shrubs, forest and shade trees, evergreens and vines, 4-page folder, 8 1/2 x 13 1/2 inches.

Charles Fiore Nurseries, Prairie View, Ill.—Wholesale price list of trees and shrubs, evergreens, fruit trees, small fruits and perennials, 32 pages and cover, 4x9 inches.

EVERGREEN SEEDS

	Per Oz.	Per Lb.
Juniperus scopulorum, Silver Cedar	\$0.25	\$1.50
Pinus pungens glauca, Blue Spruce		
Standard Grade	.50	3.50
First Grade	1.00	6.50
Pinus edulis, Pinon	.25	1.00
Pinus ponderosa, Yellow Pine	.25	2.50
Discount on quantity orders.		

Ask for list of "Rocky Mountain Rarities"

Upton Gardens
M. G. R. Marriage
Colorado Springs
Colorado

Send for New Seed List.

A. B. C.
"Supreme" Quality
SEEDS — PLANTS — BULBS
and
Growers' Accessories

AMERICAN BULB CO.
1335 W. Randolph St., CHICAGO 7
31 W. 27th St., NEW YORK 1

BELT'S BETTER GRASSES

For
Turf, Lawn, Airfields

THE BELT SEED COMPANY, INC.
Baltimore 2, Md.

A National Seed Service

LAWN GRASS SEED

Select Recleaned

100 Lbs.	
Select Lawn Mixture	\$26.00
Kentucky Blue Grass, extra fine	28.50
Redtop, fancy silver seed	17.00
American Rye Grass	14.00

A. H. HUMMERT SEED CO.
2746-48 Chouteau Ave. St. Louis 3, Mo.

SEEDS

Orders for seed should be booked now for delivery after harvest as crop promises to be short.

Mazzard Cherry Seed	Peach Seed
Plum Seed	White Dogwood Seed
Black Walnut Seed	Butternut Seed
Redbud Seed	Chinquapin Seed

VIRGINIA TREE FARMS
Woodlawn, Va.

North Dakota and Montana Seeds

Northern-grown Tree, Shrub and Wild Flower seeds.
Wholesale crude botanicals.

E. C. MORAN Stanford, Mont.

Please mention the **American Nurseryman** when writing advertisers



Planet Jr. helps with a tough job!

Feeding Uncle Sam's big family of fighters and workers, plus a host of friends and neighbors, is a tough job! But not too tough for the American farmer! He continues to set production records—and break them!

Planet Jr. is doing what it can to make the job easier by producing all the Planet Jr. Tractors and implements authorized under war contracts.

S. L. ALLEN & CO., Inc., 3402 N. 5th Street, Philadelphia 40, Pa.

FARM AND
GARDEN
TOOLS

Planet Jr.

MILKWEED AGAIN TO FORE.

Many readers will recall the work done during the twenties on the ordinary milkweed as a possible source of rubber, paper and fiber. Now, because of the loss of our kapok supply from the East Indies, the War Production Board and the Department of Agriculture have assigned the milkweed floss division of War Hemp Industries, Inc., the task of obtaining 10,000,000 pounds of milkweed floss, the only available substance acceptable to the armed forces for filling life vests, aviators' suits and other lifesaving apparel where extreme buoyancy and light weight are demanded.

Because of the three years required between sowing seeds and harvesting of a full crop of floss, the program is based wholly upon collection from the wild stands. This need will continue irrespective of Germany's defeat, until East Indies' kapok is again available to us.

Although milkweed occurs in greater abundance in the northwestern part of Michigan's lower peninsula than anywhere else known, this area is insufficient to supply the armed forces with all the material needed. Next fall school children from North Dakota to Maine and Virginia will be urged to collect every pod of milkweed possible. Through the county agricultural agents, war boards and schools, every child will be advised as to the urgent need for milkweed floss, given instructions how and when to collect, and how to dry the pods himself or where to deliver them to an authorized drying station. Open mesh 50-pound onion bags are also being made available free to all for picking, drying and shipping.

Although it is expected that actual picking will be largely done by the school children, nurserymen can render a patriotic service by helping in several other ways. They can ad-

Specializing in matters regarding the nursery industry of America.

Commercial collections.

Traffic matters before the Interstate Commerce Commission.

Freight bills audited.

CHARLES SIZEMORE

Traffic Manager

319½ Georgia St., Louisiana, Mo.

For 20 years secretary and traffic manager of the American Association of Nurserymen and well known to the nursery trade.

Reference: Bank of Louisiana, Mo.

vise their school authorities or county agricultural agent of any collectible stands of milkweed apt to be overlooked by the schools; they can refrain from mowing their roads and fences for a few weeks in late summer to permit picking of pods in September and October; they can act as authorized buying stations for War Hemp Industries, paying out money advanced them for bags of pods and receiving a small fee per bag for this service. Some nurserymen may have sufficient fence available so they may wish to serve as drying yard operators, receiving approximately 5 cents per bag for the procedure of hanging up the bags of freshly picked pods in a sunny, breezy place and leaving them there two to six weeks until thoroughly dry.

The office of War Hemp Industries, Inc., at Petoskey, Mich., would be glad to hear from nurserymen able to perform this community service of drying the pods. Also, it would like to be advised of collectible stands of asclepiad milkweed other than *A. syriaca*. Although the program to date has been based almost wholly upon this one species, it is likely that the other fat-podded milkweeds may be equally acceptable if found in sufficient quantities.

If we are to be sure that no American life is lost for lack of sufficient life preservers, it is important that

This famous line includes Garden Tractors and attachments along with specialized Planting, Fertilizing, and Tillage Tools. Planet Jr. makes the grower's job easier on the large farm or small garden plot—whether the job is done by hand, horse, or tractor. Send for the Planet Jr. Tractor Catalog. Also Planet Jr. Implement Catalog.

S. L. ALLEN & CO., Inc., 3402 N. 5th Street, Philadelphia 40, Pa.

RAFFIA
and
RUBBER STRIPS
for
1944 BUDDING

We offer both for prompt shipment. Send for prices.

THOMAS B. MEEHAN CO.
DRESHER, PA.



We are supplying many large projects. May we discuss specifications with you and make quotations?

F. H. WOODRUFF & SONS, Inc.
Miltord, Conn., Toledo, Ohio

Send For BLUE BOOK

Tools and All Supplies for
Nurserymen and Tree Surgeons

AMERICAN FLORIST SUPPLY CO.
1335 W. Randolph St. CHICAGO 7

every possible pound of milkweed floss is obtained.

ROY B. PETERSON is the new sales manager of the Mountain Meadow Nursery, Monroe, Wash. He was formerly associated with the Washington Nurseries, Toppenish, and the Columbia & Okanogan Nursery, Okanogan.

FIFTY large evergreens were donated by Mr. and Mrs. Paul A. Mortensen, owners of the Bonneybrook Nursery, Bothell, Wash., to beautify the grounds of the naval hospital north of Seattle. A crew of men in a pickup truck from the naval hospital dug and transported the trees. Mr. and Mrs. Mortensen purchased the Bonneybrook Nursery from its former owner, Fred Huey, during the past winter.

In the Country's Service

TROY BUNCH, son of J. C. Bunch, Terre Haute, Ind., is now stationed at Sheppard field, Wichita Falls, Tex.

RICHARD SMITH, son of R. M. Smith, Muncie, Ind., is at present stationed at Camp McCain, Miss.

JAMES P. SMART, son of W. J. Smart, of the D. Hill Nursery Co., Dundee, Ill., joined the air corps last month, reporting at Sheppard field, Wichita Falls, Tex., March 25.

PETER WELLER, JR., son of the proprietor of the Weller Nurseries Co., Inc., Holland, Mich., has enlisted in the naval air corps and started his preliminary training March 1 at Milligan College, Tenn.

CORP. M. EUGENE SPEICHER, who has been in Africa for two and one-half years, is expected home on leave this month. He is a nephew of John W. Moyer, proprietor of the Laketon Nurseries, Laketon, Ind. Another nephew, Sgt. Stanley E. Schull, is in Panama.

AT least three former employees of the Willis Nursery Co., Ottawa, Kan., are stationed in Hawaii, Sgt. Mearl Snethen, Lieut. R. L. Steele and Lieut. Walter Lohmann. Lieutenants Steele and Lohmann called on the trade for the Willis Nursery Co. and were widely known to nurserymen in the middle west.

E. DEXTER DAVIS, who has been associated with Little Tree Farms, Framingham, Mass., for the past three years, the latter year and one-half as general sales manager, was inducted into the army March 23 and left for Fort Dix, N. J. Mrs. Davis, formerly Joan Bush, who before her marriage was employed by Maloney Bros. Nursery Co., Dansville, N. Y., and their two children, Molly and Ruth, are making their home at Oneonta, N. Y., for the duration.

LIEUT. GRIFFING OVERSEAS.

W. C. Griffing, of the Griffing Nurseries, Beaumont, Tex., has received word that his son, First Lieut. Ralph C. Griffing, has been ordered overseas, having left Camp Wheeler, Ga., early in March.

Lieutenant Griffing has been in the service since September, 1941, having been called to active duty as a reserve officer from A. & M. College. He was stationed most recently at Mississippi State College,

until ordered to Camp Wheeler several weeks ago.

His wife and three children returned to Beaumont, where they will make their home until he returns home. His mailing address is: Lieut. Ralph C. Griffing, O-271243, 251 Replacement Co., A. P. O. 9675, c/o Postmaster, New York, N. Y.

JOEL BARNES IN ARMY.

March 20, a send-off party was held for Joel Barnes, president of the Barnes Bros. Nursery Co., Yalesville, Conn.

A lobster dinner was enjoyed by a few of his close nursery friends at the Oakdale Inn, Wallingford, Conn. Those present were Alex Stoveken and Arthur Webster, of A. N. Pierson, Inc.; Messrs. Brubaker, Baker and Bates, of North-Eastern Forestry Co.; Alec Cumming and Arthur Bird, of Bristol Nurseries; E. D. Robinson; Floyd Oatman and Lester Needham, of Adams Nursery; Russell Barnes, and the guest of honor, Joel Barnes.

A service wrist watch was presented as a friendship token and memento of the evening.

Joel Barnes, who has been manager of the Barnes Bros. Nursery Co. for

WANT ADS

Help and Situation Wanted and For Sale advertisements.

Display: **\$2.50** per inch, each insertion.
Liners: **20¢** line; Minimum order **\$1.00**.

HELP WANTED—A competent landscape superintendent. Must be able to handle men and get results. Reply with age, experience and salary expected. Box 297, care of American Nurseryman.

HELP WANTED—An experienced propagator. Must be able to propagate a complete line of ornamental stock. Reply stating age, experience and salary expected. Box 298, care of American Nurseryman.

SITUATION WANTED—Well qualified, aggressive businessman with twenty-five years' experience in retail nursery and landscape business desires position as manager of organization that needs new ideas and new life. Interested only in a permanent position where efforts will be rewarded by results obtained. Send detailed information in first letter. References exchanged. Address No. 302, care American Nurseryman, 343 S. Dearborn St., Chicago 4, Ill.

FOR SALE. Modern nursery in western Pennsylvania. Well stocked with salable evergreens. For sale at a bargain, due to ill health of owner. Address No. 304, American Nurseryman, 343 S. Dearborn St., Chicago 4, Ill.

SITUATION WANTED

What openings do you have for a man of 25, draft exempt, who wishes to learn plant propagation or other related work? Graduate of Wisconsin College of Agriculture. Has been doing other work but desires change. Two spring seasons' nursery experience indicated. Located in Chicago area, but will consider any midwest offers.

Address No. 301, care American Nurseryman, 343 S. Dearborn St., Chicago 4, Ill.

HELP WANTED

PROPAGATOR

Man wanted permanently. To produce all kinds of hardy lining-out stock for pioneer Washington nursery. Modern living quarters on premises. Must economically propagate first-class plants of Azaleas, Rhododendrons, Hemlocks, Cypress, Koster Spruce, Magnolias, Red Jap. Maples, Lilacs and all types of broad-leaved Evergreens. State wages, experience, age and reference. Must prove honest, loyal, dependable and able. Address No. 303, care of American Nurseryman, 343 S. Dearborn St., Chicago 4, Ill.

HELP WANTED

We have an opening for experienced tree men with thorough knowledge of tree moving, spraying and general arboriculture practices to assume full responsibility of crews, trucks and equipment. This is not just a duration job, but one with a future. Please write, care P. O. Box 187, West Hartford, Conn.

HELP WANTED

An experienced and middle-aged propagator, preferably a family man, to take charge of large collection of camellias and other propagating work of my nursery. State salary expected. Do not apply unless permanency is desired.

E. A. MC ILHENNY, Avery Island, La.

HELP WANTED

Experienced landscape worker, one who knows materials and construction work. Steady year-round work. References required.

BOULEVARD GARDENS
370 N. Sandusky St.,
Columbus 8, Ohio

HELP WANTED

Experienced, married man, capable of handling clients in a nursery business.

Living quarters on premises.
CHARLES FIORE NURSERIES
Prairie View, Ill.

HELP WANTED

TREE CLIMBERS

Experienced for essential employment; high wages and steady work; write giving age, draft classification and experience.

OSCAR F. WARNER
Landscape Forester, Waterbury 29, Conn.

HELP WANTED

Landscape foreman wanted. Will pay salary and commission on net business. Must be able to sell and superintend men.

NORTH AVENUE NURSERY
Lombard, Ill.

HELP WANTED

Perennial grower for old, established nursery in Vermont. Growing and digging ordinary perennials and native wild flowers. Care of 30x50-ft. greenhouse. Permanent. Write at once giving experience, references and salary desired.

AIKEN NURSERIES, Putney, Vt.

HELP WANTED

Landscape foreman who knows materials and can plant; rate, \$1.00 per hour. Need old-time nurseryman for getting up orders, digging stock, etc., on nursery; rate, 75¢ to \$1.00 per hour. Here is a job with a future. Not interested in floaters.

ERNET NURSERIES
P. O. Box 1226
Muncie, Ind.

22,000,000 REASONS WHY YOU'LL PROFIT WITH *America's Favorite* Plant Food!

Last year's crop of Victory gardens reached a record 20,000,000. This year experts predict it will increase by still another two million!

Think of it! 22,000,000 Victory Gardeners and the favorite plant food is Vigoro Victory Garden Fertilizer!

Gardening America buys Vigoro Victory Garden Fertilizer . . . buys it regularly . . . because it helps get greater yields—vegetables richer in flavor and packed with needed minerals.

Couple this performance with hard-hitting national advertising and you'll see how nurserymen all over America are bagging extra profits . . . additional sales with Vigoro Victory Garden Fertilizer.

Your sales of plant food can mean plenty to your total profits and Vigoro Victory Garden Fertilizer is a "natural" for you to cash in on. Feature it and enjoy growing profits.

VIGORO SALES DEPT.
U. S. Y., CHICAGO 9, ILL.



A product of
Swift & Company

Send for
free display
material.

the past fifteen years, has been appointed a warrant officer in the army air forces, emergency rescue boat division. After April 1 he will be stationed at Gulfport, Miss.

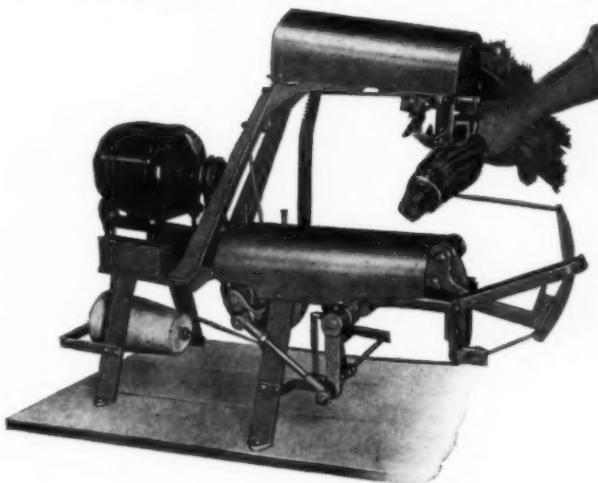
Mr. Barnes has always had a keen interest in boating and has had many ocean and coastwise trips in small boats. This experience made it possible for him to qualify for the appointment.

At home, his position will be capably filled by Russell N. Barnes, who has had a varied nursery experience and for the past ten years has been landscape engineer in the bureau of roadside development of the Connecticut state highway department. Russell Barnes is also well known to many eastern nurserymen as inspector of nursery stock purchases for the state of Connecticut.

THE War Food Administration has designated April 2 to 8 as "Grow More in '44" week. Recognition will be given to the American farmers, who have broken production records for seven consecutive years; 20,000,000 victory gardeners, and the non-farm people who work on farms and in food processing plants, for the services they are rendering to make "Food Fight for Freedom."

Save Time **Save Twine** **Save Labor**
with FELINS ELECTRIC BUNCH TYER

For Bunch Vegetables, Cut Flowers, Nursery Stock



FELINS
Milwaukee 6 Wisconsin

BOOKS for Nurserymen

Book A. Illustrates in full color 235 standard nursery items, brief description, substantially bound. Price in small lots, 75¢ each.

Descriptive Nursery Catalogue

Nicely illustrated, 48 pages and cover. 18¢ each in small lots.

Correct Planting Methods

A pocket-size 48-page booklet. Very complete but concise information, well illustrated. Helpful in preventing claims for dead stock that cost nurserymen money. Sample, 10¢. Write for discounts on quantities.

Will send sample copy of each of the above on receipt of \$1.00. Cash with order.

Made to Order

Catalogues, Folders, etc., with illustrations in full color or one color. Thousands of engravings available. Send your specifications or samples for estimate and suggestions.

A. B. MORSE COMPANY
ST. JOSEPH, MICHIGAN

**LABELS
FOR
NURSERYMEN**
**THE
BENJAMIN CHASE
COMPANY**
DERRY, N. H.

HYPONEX PLANT FOOD

HYPONEX is a complete plant food that will grow superior plants in soil, or even sand or water. Use HYPONEX for germination of seeds (helps to prevent damping-off). Cuttings (keeps them succulent until ready for transplanting). Transplanting (reduces shock and wilting), and for general feeding of flowers, vegetables, trees and lawns. Better root systems. Greater substance in stems, larger flowers.

Buy from your jobber or send \$1.00 for 1-lb. sample (makes 100 gals.), dollar credited on first order for 1 case for resale or 10-lb. drum for own use.

Write jobber or direct to us for prices.

HYDROPONIC CHEMICAL CO., Inc.
315 West 39th Street, New York 18, N. Y.

COTTONETTE Nursery Squares.
GIBRALTAR Frost Covers.
HORTICULTURAL PEAT MOSS.
LIVE SPAGHUM MOSS.
RAFFIA for budding, etc.
SAMSON-MATS.
Write for price; state requirements.

NEW AMSTERDAM CO.
122 Chambers St., New York 7, N. Y.

ST. LOUIS GROUP MEETS.

The Greater St. Louis Landscape and Nurserymen's Association met March 13 at the offices of Charles W. Fullgraf, Clayton, Mo. Mr. Rainwater, assistant state entomologist, who was recently transferred into this area to take the place of Bert Brayton, who went into the service, was present and introduced to the membership by Corbin Goff, assistant state entomologist in charge of Japanese beetle control work in this area.

The main topic of discussion for the evening was the shortage of labor, and several members reported this condition somewhat improved. Stephan Beer invited the entire membership to attend a meeting of the Greater St. Louis Association of Gardeners, to be held at the Clayton city hall, April 4 at 8 p. m., when Prof. James Smith, of the school of floriculture at the University of Missouri, will be the speaker of the evening.

TO BE FLORIDA SENATOR.

Edwin G. Fraser, manager of the Southern States Nursery Co., Macclenny, Fla., will serve in the Florida state senate during the 1945 and 1947 legislative sessions as senator from Baker and Clay counties. He served in the Florida house of representatives during the 1937 and 1939 sessions. He is unopposed in the May Democratic primaries and this is regarded as tantamount to election.

Mr. Fraser, who is married and has two children, is a member of the Methodist church, the Macclenny Lions' Club and the Masons. B. J.

DON'T BE LATE.

If you have wholesale quantities of any items of nursery stock to sell this spring, don't delay offering it in the advertising columns of the American Nurseryman. Current advertisers report good results this spring. Like this:

"We shall not repeat our crape myrtle advertisement of March 1 because it is now too late in the season in the south. We should have started sooner, for we certainly did get results from the advertisement in your magazine."—G. A. McKee Nursery, Jacksonville, Tex., March 17, 1944.

AT the exhibition of the Horticultural Society of New York, March 15 and 16, Jackson & Perkins Co., Newark, N. Y., had a splendid showing of roses, among which was *Fantasia*, a new yellow, which was awarded a bronze medal.

ATTENTION NURSERYMEN!



**IMP.
SOAP
SPRAY**

Use 1 part with 25 to 40 parts of water

Ask your nearest seedman, or
write for literature.

THE AMERICAN COLOR AND CHEMICAL CO.
170 Purchase St.
Boston, Mass.

HORTICULTURAL WAXES

Headquarters for

Dip-Wax for coating rosebushes,
Grafting Wax, Pruning Compound,
Grafting and Budding Tools.

Manufacturers and Wholesalers

WALTER E. CLARK & SON
Box 10
Milford, Conn.

GENUINE BURLAP SQUARES

Size approx. 24x24 inches at

\$35.00 per 1000

F. O. B. Richmond, Va.

Packed 2000 in bale.

No priority required at present.
Enclose payment with order.

ACORN BAG & BURLAP CO.
915 N. Delaware Ave., Philadelphia 23, Pa.

GENUINE MOSS PEAT

Hydraulic pressed bales and smaller resale packages. Sphagnum Moss, Cultivated Peat Humus.

Shipped from Northern plant at Floodwood, Minn., and Hanlontown, Iowa. Annual capacity 1,000 carloads.

Now booking for present
and future deliveries.

Write or wire for quotations.

Colby Pioneer Peat Co., Inc.
Hanlontown, Iowa

DOWAX

10 55-gal. drums (400 lbs. net each)

DOWAX at \$50.00 per drum.

F. O. B. Warehouse, Jersey City, N. J.

CLAUSS BROS.

1837 N. Harlem Avenue

Chicago, Illinois.

SANI-SOIL

The perfect mulch and soil conditioner

BAMBOO CANES — RAFFIA — BULBS

McHUTCHISON & CO.
95 Chambers St.
New York 7, N. Y.



Japanese Yew (Taxus)

3-oz. can - \$1.00**1-lb. can - 4.00**

(One pound makes 160 to 1600 gallons of solution for transplanting.)

Write us today for our special proposition to nurserymen.

ESPECIALLY NOW!

IT IS IMPORTANT TO CUT DOWN TRANSPLANTING LOSSES AND TO LENGTHEN YOUR SEASON - - - - -

Nurserymen Are Finding That

Reg. U. S. Pat. Off.

TRANSPLANTONE

is invaluable today in helping to cut down operating costs and to maintain a high volume level.

By using TRANSPLANTONE on all plants when they are moved, you can reduce your losses to the very minimum—especially in unfavorable seasons.

Just soak the soil around the roots of the newly moved plant with TRANSPLANTONE solution. With bare-root plants, nurserymen are getting excellent results by soaking them in a barrel of TRANSPLANTONE solution overnight before planting.

Treat broad and narrow-leaf evergreens, deciduous trees and shrubs with TRANSPLANTONE solution for reducing loss and promoting strong, vigorous growth right through the season. The treatment will not interfere with proper hardening of the wood before winter.

AMERICAN CHEMICAL PAINT COMPANY
Horticultural Division A-61

Ambler, Penna.

**WHY NOT TRY
OUR SUBSTITUTE
FOR BURLAP SQUARES,
WHICH IS EXCELLENT?**

Now Selling for Prompt
And Spring Delivery.Samples and Prices Gladly
Furnished upon Request.

AMERICAN-NATIONAL BAG & BURLAP CO.
INCORPORATED
343 KENT AVE. BROOKLYN, N. Y.

**NURSERY BURLAP
SQUARES and ROLLS**

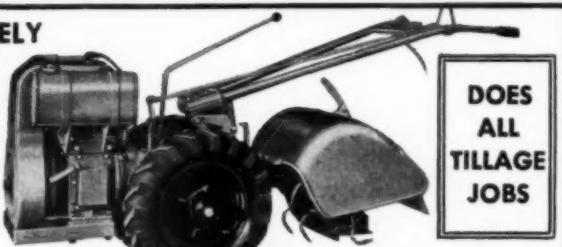
RIGHT **Packing
Size
Price**

Write for prices and samples.

L. ATKIN'S SONS
P. O. Box 167, ROCHESTER, N. Y.

**INCREASE PLANT YIELD with less
MANPOWER**

**A COMPLETELY
PULVERIZED
LEVEL SEED
BED IN ONE
OPERATION**



**DOES
ALL
TILLAGE
JOBS**

Ariens Tiller meets all requirements of the nurseryman. The perfect all-purpose tillin and cultivating combination, as harrow as it discs as it plows. ONE operation produces a properly prepared seed bed, thoroughly aerated with pulverized soil, shredded and evenly mixed—no large chunks to retard

plant growth. It can be operated in wet or dry season . . . 3 models to meet your requirements. Catalogue and name of distributor upon request.

Ordnance banner
awarded
October 30, 1943.



ARIENS Company
BRILLION ★ WISCONSIN

Write for FREE Catalog!

Nursery Spades, Knives*, and Pruning Shears, Budding and Grafting Supplies, Tree Surgery and Lawn Equipment.
96 page catalogue free--write.
A. M. LEONARD & SON
Piqua, Ohio

**KATFISH
BRAND** **SPRAY HOSE** **HIGH
PRESSURE**
ALL SIZES
High-Pressure Couplings
LOW PRICES, PROMPT SERVICE
BROADWAY RUBBER MFG. CO.
Everything in Rubber Since 1901
529 East Broadway, Louisville, Ky.

*Write
for free
sample*

HILL EVERGREENS

LINING-OUT STOCK

JUNIPER GRAFTS

	Per 100	Per 1000
<i>Chinensis Columnaris</i> (Blue Columnar Chinese).....	\$32.50	\$300.00
<i>Chinensis Sargentii, Blue</i> (Blue Sargent).....	32.50	300.00
<i>Chinensis Sargentii, Green</i> (Green Sargent).....	32.50	300.00
<i>Communis Depr. Vase Shape</i> (Vase-shaped Prostrate).....	32.50	300.00
<i>Procumbens</i> (Japanese).....	32.50	300.00
<i>Procumbens Nana</i> (Hill Japanese).....	32.50	300.00
<i>Sabina Vonehron</i> (Vonehron).....	32.50	300.00
<i>Squamata Meyeri</i> (Meyer).....	32.50	300.00
<i>Virginalis, Dark Green</i> (Hillbush, Dark Green).....	32.50	300.00
<i>Virginalis Globosa</i> (Hillbush, Very Dark Green).....	32.50	300.00
<i>Virginiana Canaerti</i> (Canaert).....	32.50	300.00
<i>Virginiana Cupressifolia</i> (Hillspire).....	32.50	300.00
<i>Virginiana Hilli</i> (Hill Dundee).....	32.50	300.00

ONCE TRANSPLANTED—FLATS

This stock is either seedlings or cuttings transplanted into flats, and grown for one or two years. Suitable to plant in beds.

	Per 100	Per 1000
<i>Juniperus Chinensis Pfitzeriana</i> , 6 to 8 ins.....	\$12.00	\$100.00
<i>Juniperus Excelsa Stricta</i> , 4 to 6 ins.....	11.00	100.00
<i>Picea Excelsa</i> , 8 to 10 ins.....	10.00	90.00
<i>Picea Excelsa Nidiformis</i> , 4 to 6 ins.....	12.00	100.00
<i>Picea Glauca Conica</i> , 3 to 4 ins.....	14.00	120.00
<i>Picea Pungens</i> , 6 to 8 ins.....	9.00	80.00
<i>Pinus Flexilis</i> , 4 to 6 ins.....	11.00	100.00
<i>Pinus Nigra</i> , 6 to 8 ins.....	7.00	60.00
<i>Pinus Strobus</i> , 6 to 8 ins.....	6.00	50.00
<i>Taxus Cupidata Capitata</i> , 6 to 8 ins.....	16.00	140.00
<i>Taxus Media Hicksii</i> , 8 to 10 ins.....	12.00	100.00
<i>Tsuga Canadensis</i> , 4 to 6 ins.....	8.00	70.00
<i>Euonymus Radicans Vegetus</i> , 6 to 8 ins.....	12.00	100.00

TWICE TRANSPLANTED—FRAMES

This stock has been grown either from seedlings or cuttings, grown two years in flats and transplanted into frames where it has been growing two years. Most items are suitable for field planting.

	Per 100	Per 1000
<i>Juniperus Chinensis Pfitzeriana</i> , 10 to 12 ins.....	\$20.00	\$175.00
<i>Juniperus Chinensis Pfitzeriana Aurea</i> , 8 to 10 ins.....	16.00	150.00
<i>Juniperus Communis Hibernica</i> , 8 to 10 ins.....	12.00	100.00

TWICE TRANSPLANTED—FRAMES—Cont.

	Per 100	Per 1000
<i>Picea Excelsa</i> , 12 to 15 ins.....	\$16.00	\$140.00
<i>Picea Excelsa Pyramidalis</i> , 12 to 15 ins.....	22.00	200.00
<i>Picea Glauca Densata</i> , 10 to 12 ins.....	12.00	100.00
<i>Pinus Mughus</i> , 4 to 6 ins.....	16.00	140.00
<i>Pinus Mughus</i> , 6 to 8 ins.....	18.00	160.00
<i>Pinus Mughus</i> , 6x6 ins.....	30.00	275.00
<i>Pseudotsuga Douglassi</i> , 8 to 10 ins.....	16.00	140.00
<i>Pseudotsuga Douglassi</i> , 10 to 12 ins.....	18.00	160.00
<i>Taxus Cupidata Capitata</i> , 6 to 8 ins.....	20.00	180.00
<i>Taxus Cupidata Spreading</i> , 10 to 12 ins.....	24.00	220.00
<i>Taxus Cupidata Spreading</i> , 12 to 15 ins.....	26.00	240.00
<i>Taxus Cupidata Brownii</i> , 6 to 8 ins.....	22.00	200.00
<i>Taxus Cupidata Brownii</i> , 8 to 10 ins.....	24.00	220.00
<i>Taxus Cup. Nana Pyramidalis Hilli</i> , 6 to 8 ins.....	22.00	200.00
<i>Taxus Media Hicksii</i> , 6 to 8 ins.....	16.00	140.00
<i>Taxus Media Hicksii</i> , 8 to 10 ins.....	18.00	160.00
<i>Taxus Media Hicksii</i> , 15 to 18 ins.....	40.00	350.00
<i>Taxus Media</i> , No. 1, 8 to 10 ins.....	22.00	200.00
<i>Taxus Media</i> , No. 1, 10 to 12 ins.....	24.00	220.00
<i>Thuja Occidentalis Pyramidalis</i> , 10 to 12 ins.....	16.00	140.00
<i>Tsuga Canadensis</i> , 10 to 12 ins.....	24.00	220.00

TWICE TRANSPLANTED—FIELD

This is heavy stock from open field rows. Will quickly develop into specimen stock.

	Per 100	Per 1000
<i>JUNIPERUS</i>		
<i>Chinensis Keteleeri</i> , 12 to 18 ins.....	\$55.00	\$500.00
<i>Chinensis Keteleeri</i> , 18 to 24 ins.....	65.00	600.00
<i>Chinensis Pfitzeriana</i> , 12 to 15 ins.....	27.50	250.00
<i>Chinensis Pfitzeriana</i> , 15 to 18 ins.....	32.50	300.00
<i>Chinensis Sargentii, Blue</i> , 12 to 15 ins.....	60.00	-----
<i>Chinensis Sargentii, Green</i> , 10 to 12 ins.....	50.00	-----
<i>Com. Depressa</i> , Vase Shape, 12 to 15 ins.....	50.00	450.00
<i>Procumbens</i> , 12 to 15 ins.....	60.00	500.00
<i>Sabina</i> , 12 to 15 ins.....	40.00	-----
<i>Virginalis, Dark Green</i> , 12 to 15 ins.....	60.00	550.00
<i>Virginiana Canaerti</i> , 12 to 18 ins.....	60.00	550.00
<i>Virginiana Hilli</i> , 12 to 18 ins.....	60.00	550.00
<i>Virginiana Horizontalis Glauca</i> , 15 to 18 ins.....	60.00	-----
<i>Virginiana Pyramidalis</i> , 15 to 18 ins...	50.00	-----
<i>Picea Excelsa</i> , 15 to 18 ins.....	22.00	200.00
<i>Picea Excelsa</i> , 18 to 24 ins.....	24.00	220.00
<i>Picea Glauca</i> , 10 to 12 ins.....	17.00	150.00
<i>Picea Glauca</i> , 12 to 18 ins.....	22.00	200.00
<i>Thuja Occidentalis</i> , 18 to 24 ins.....	32.50	300.00
<i>Occidentalis Pyramidalis</i> , 12 to 18 ins.	35.00	300.00
<i>Occidentalis Pyramidalis</i> , 18 to 24 ins.	45.00	400.00
<i>Occidentalis Pyramidalis</i> , 24 to 30 ins.	55.00	500.00

D. HILL NURSERY COMPANY
Evergreen Specialists :- *Largest Growers In America*
 DUNDEE, ILLINOIS